

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062623\
 Data File : BM040421.D
 Acq On : 27 Jun 2023 03:11
 Operator : MA/JU
 Sample : 03084-01DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFL8DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/27/2023
 Supervised By :mohammad ahmed 06/27/2023

Quant Time: Jun 27 04:29:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 23 00:44:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.945	152	8137	0.400	ng/ul	0.00
4) Naphthalene-d8	10.751	136	28308	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.582	164	12775	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.332	188	24827	0.400	ng/ul	0.00
17) Chrysene-d12	21.509	240	14596	0.400	ng/ul	0.00
23) Perylene-d12	23.923	264	16673	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	6610	0.517	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.345	152	1851	0.047	ng/ul	0.00
18) Fluoranthene-d10	19.356	212	2945	0.063	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.800	128	17413	0.223	ng/ul	98
7) 2-Methylnaphthalene	12.417	142	4154	0.091	ng/ul	99
8) 1-Methylnaphthalene	12.631	142	2090	0.046	ng/ul	97
10) Acenaphthylene	14.304	152	85226	1.493	ng/ul	99
11) Acenaphthene	14.646	153	1944	0.040	ng/ul	94
12) Fluorene	15.632	166	3057	0.059	ng/ul#	94
15) Phenanthrene	17.374	178	50556	0.656	ng/ul	99
16) Anthracene	17.463	178	41367	0.638	ng/ul	100
19) Fluoranthene	19.384	202	144745	2.335	ng/ul	97
20) Pyrene	19.747	202	134916	2.030	ng/ul	99
21) Benzo(a)anthracene	21.491	228	95605	1.936	ng/ul	95
22) Chrysene	21.544	228	129121	2.293	ng/ul	97
24) Benzo(b)fluoranthene	23.187	252	490220	7.597	ng/ul	88
25) Benzo(k)fluoranthene	23.230	252	134366m	2.113	ng/ul	
26) Benzo(a)pyrene	23.815	252	251619	4.329	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	26.430	276	378377	4.674	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.434	278	91514	1.444	ng/ul	94
29) Benzo(g,h,i)perylene	27.205	276	404698	5.704	ng/ul	94

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

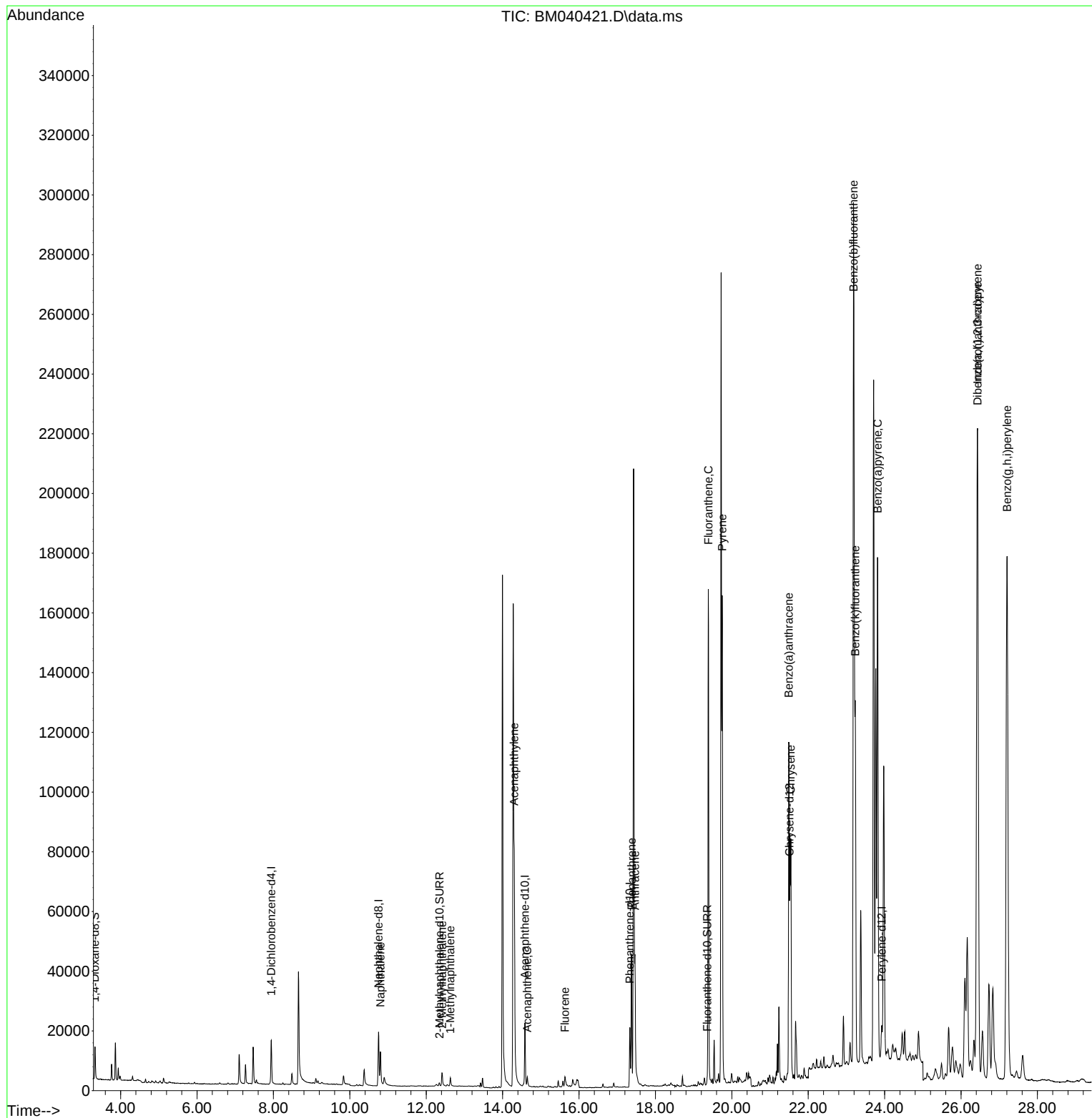
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062623\
Data File : BM040421.D
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ALS Vial : 23 Sample Multiplier: 1

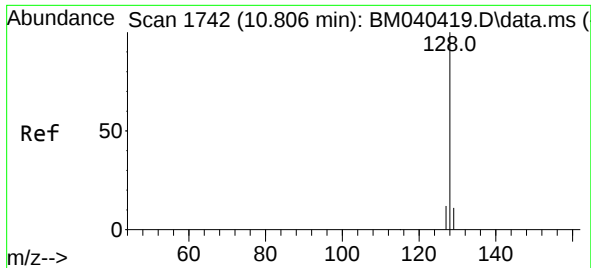
Instrument :
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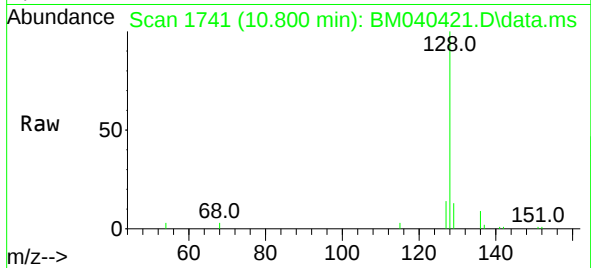
Quant Time: Jun 27 04:29:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 00:44:24 2023
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#5
Naphthalene
Concen: 0.223 ng/ul
RT: 10.800 min Scan# 1741
Delta R.T. -0.011 min
Lab File: BM040421.D
Acq: 27 Jun 2023 03:11

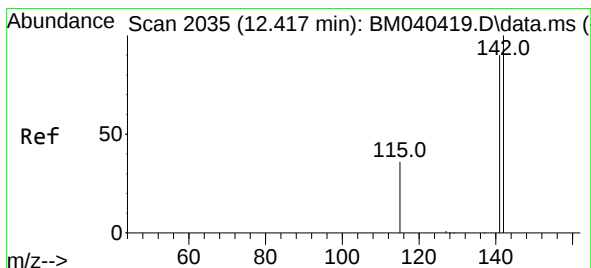
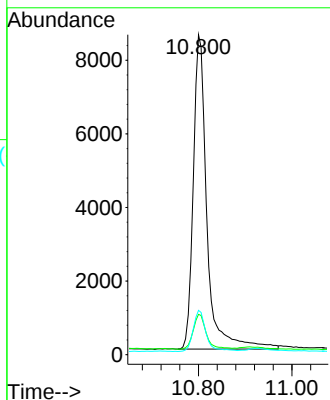
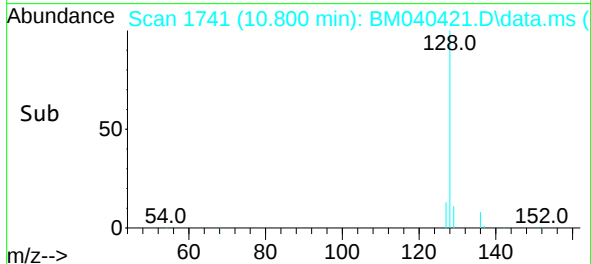
Instrument :
BNA_M
ClientSampleId :
DCFL8DL



Tgt Ion:128 Resp: 1741
Ion Ratio Lower Upper
128 100
129 12.6 9.2 13.8
127 13.8 10.6 15.8

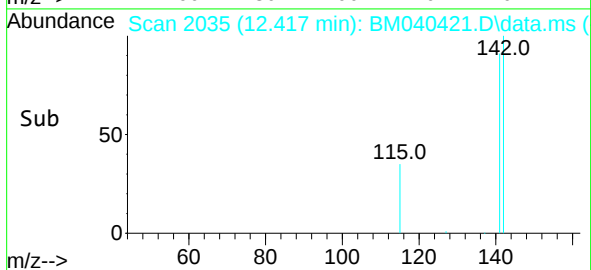
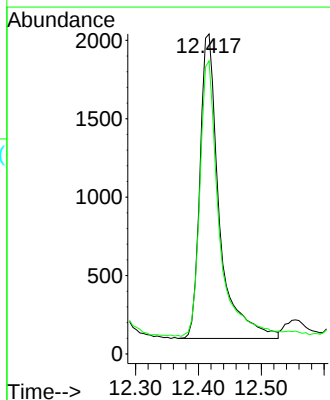
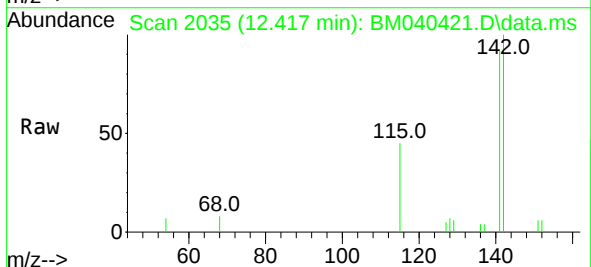
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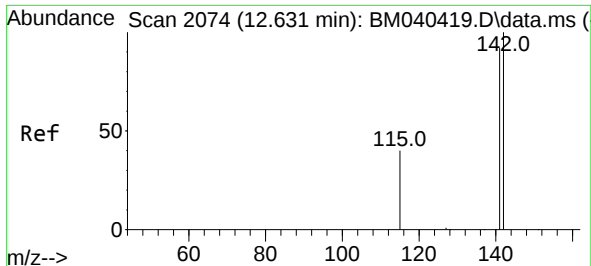
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#7
2-Methylnaphthalene
Concen: 0.091 ng/ul
RT: 12.417 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BM040421.D
Acq: 27 Jun 2023 03:11

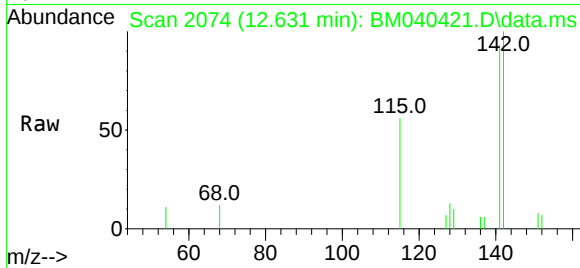
Tgt Ion:142 Resp: 4154
Ion Ratio Lower Upper
142 100
141 90.6 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.046 ng/ul
RT: 12.631 min Scan# 2074
Delta R.T. -0.011 min
Lab File: BM040421.D
Acq: 27 Jun 2023 03:11

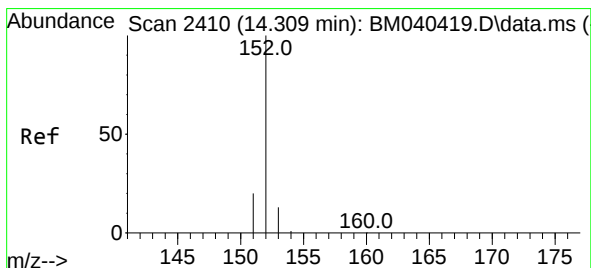
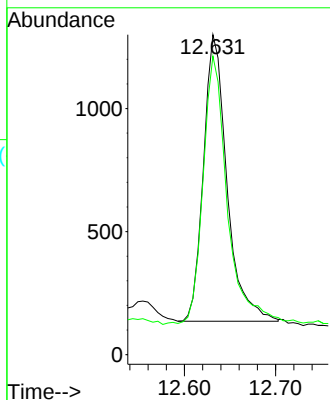
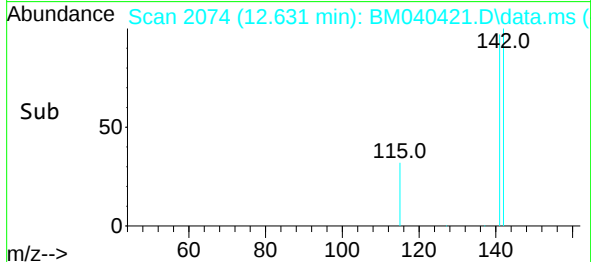
Instrument :
BNA_M
ClientSampleId :
DCFL8DL



Tgt Ion:142 Resp: 2090
Ion Ratio Lower Upper
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141 95.1 73.7 110.5

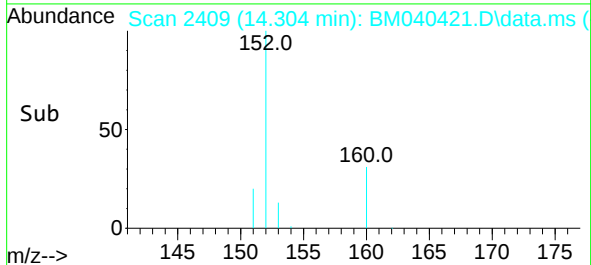
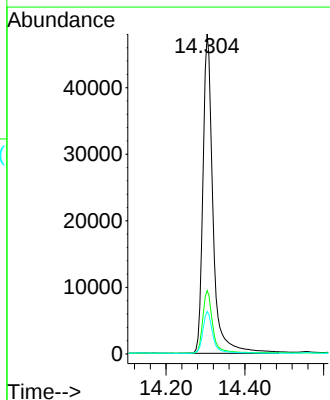
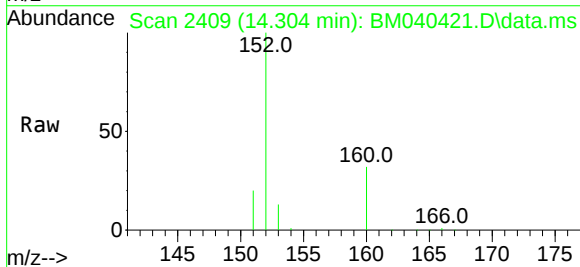
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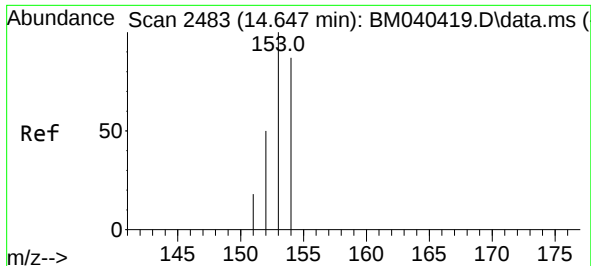
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#10
Acenaphthylene
Concen: 1.493 ng/ul
RT: 14.304 min Scan# 2409
Delta R.T. -0.009 min
Lab File: BM040421.D
Acq: 27 Jun 2023 03:11

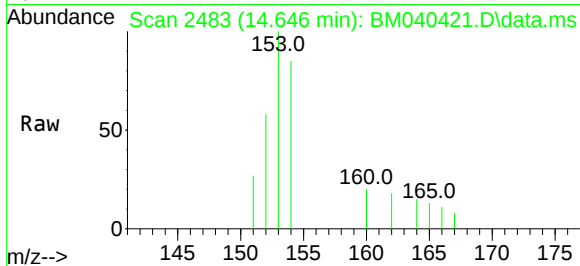
Tgt Ion:152 Resp: 85226
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.3 10.9 16.3





#11
Acenaphthene
Concen: 0.040 ng/u1
RT: 14.646 min Scan# 2483
Delta R.T. -0.009 min
Lab File: BM040421.D
Acq: 27 Jun 2023 03:11

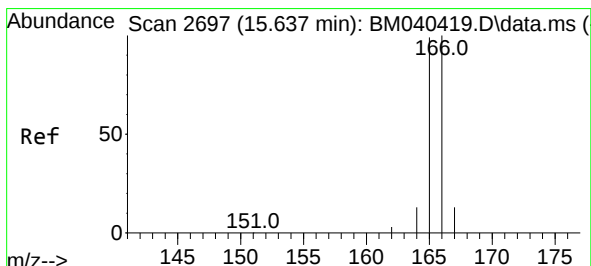
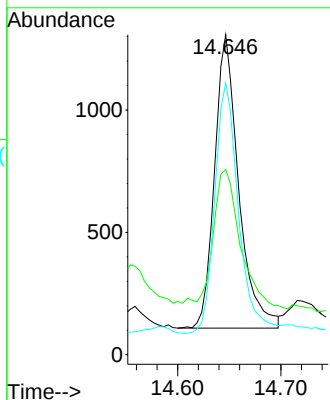
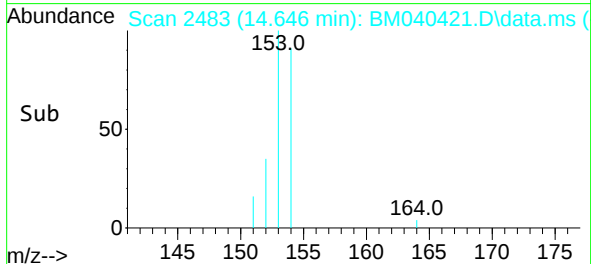
Instrument :
BNA_M
ClientSampleId :
DCFL8DL



Tgt Ion:153 Resp: 1944
Ion Ratio Lower Upper
153 100
152 57.9 41.0 61.4
154 84.9 70.8 106.2

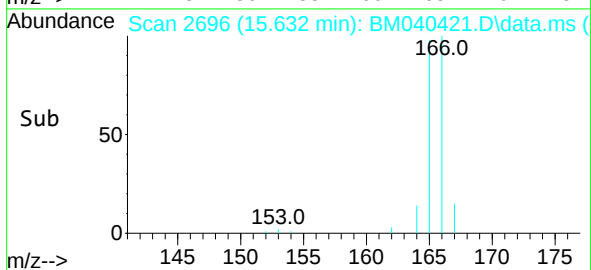
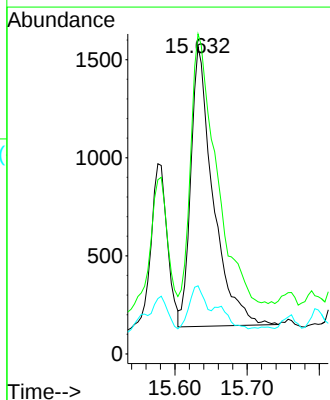
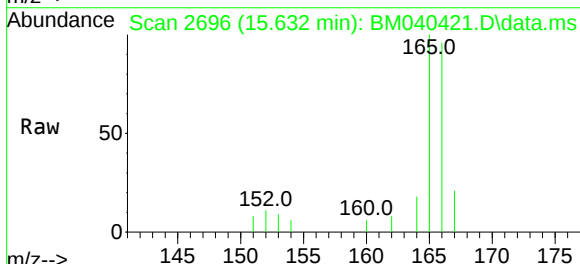
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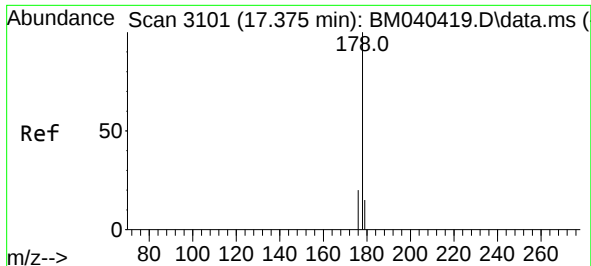
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#12
Fluorene
Concen: 0.059 ng/u1
RT: 15.632 min Scan# 2696
Delta R.T. -0.009 min
Lab File: BM040421.D
Acq: 27 Jun 2023 03:11

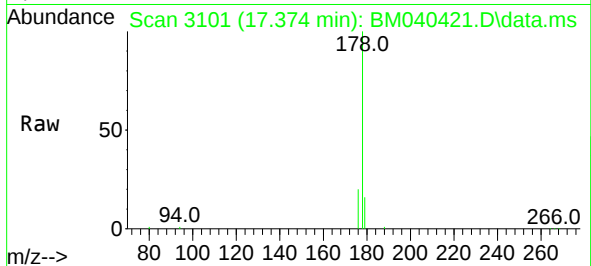
Tgt Ion:166 Resp: 3057
Ion Ratio Lower Upper
166 100
165 104.1 79.6 119.4
167 22.1 11.4 17.0#





#15
Phenanthrene
Concen: 0.656 ng/u1
RT: 17.374 min Scan# 3101
Delta R.T. -0.004 min
Lab File: BM040421.D
Acq: 27 Jun 2023 03:11

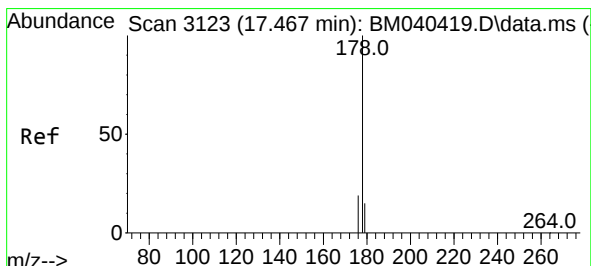
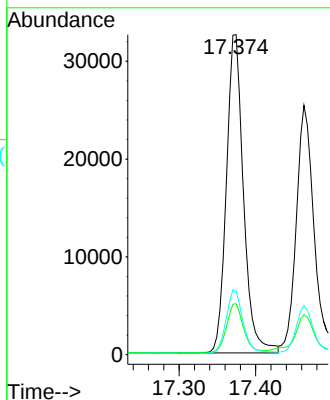
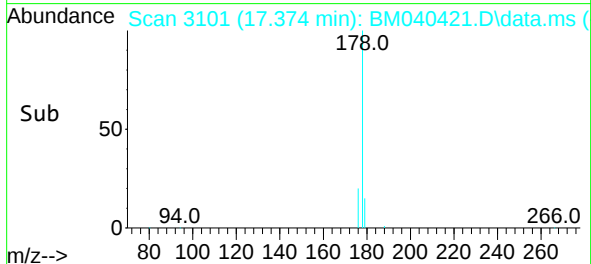
Instrument :
BNA_M
ClientSampleId :
DCFL8DL



Tgt Ion:178 Resp: 50550
Ion Ratio Lower Upper
178 100
179 16.0 12.8 19.2
176 19.8 16.4 24.6

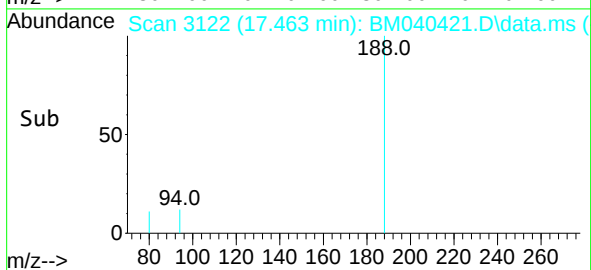
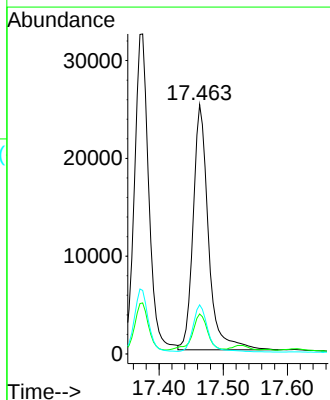
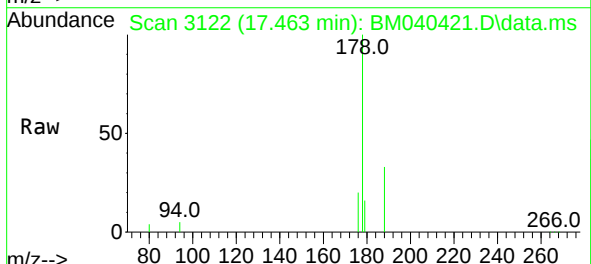
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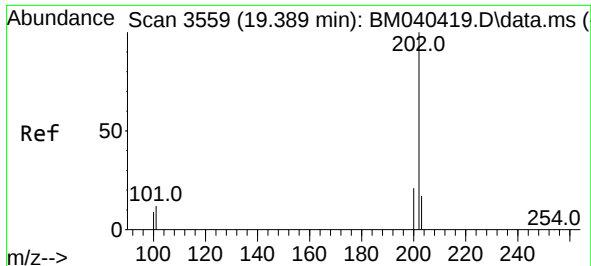
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#16
Anthracene
Concen: 0.638 ng/u1
RT: 17.463 min Scan# 3122
Delta R.T. -0.009 min
Lab File: BM040421.D
Acq: 27 Jun 2023 03:11

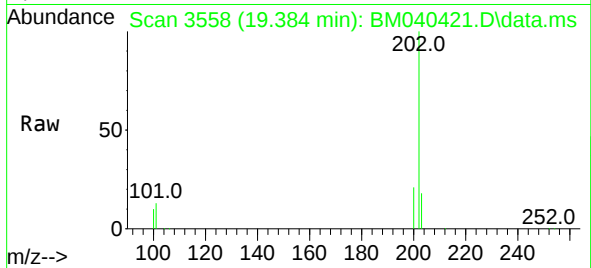
Tgt Ion:178 Resp: 41367
Ion Ratio Lower Upper
178 100
179 16.0 12.9 19.3
176 19.7 15.8 23.6





#19
Fluoranthene
Concen: 2.335 ng/u1
RT: 19.384 min Scan# 3558
Delta R.T. -0.005 min
Lab File: BM040421.D
Acq: 27 Jun 2023 03:11

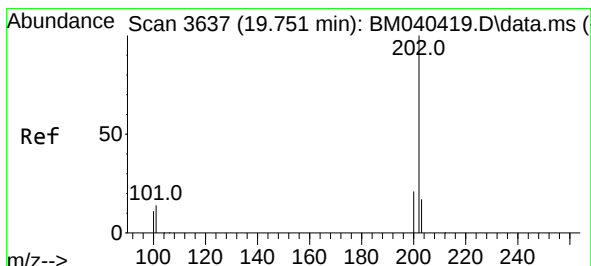
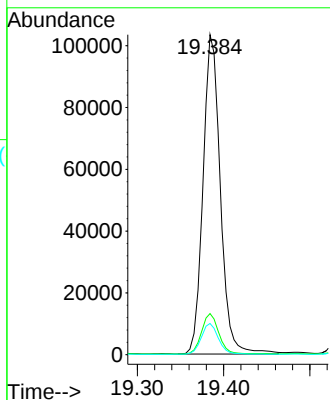
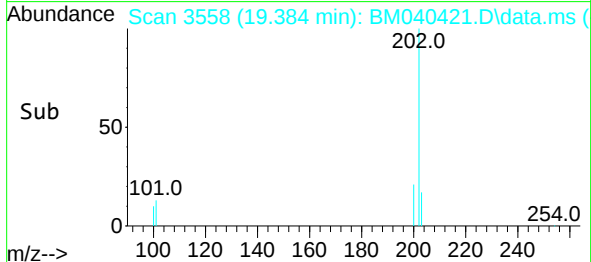
Instrument :
BNA_M
ClientSampleId :
DCFL8DL



Tgt Ion:202 Resp: 144745
Ion Ratio Lower Upper
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101 12.9 11.4 17.0
100 9.7 8.7 13.1

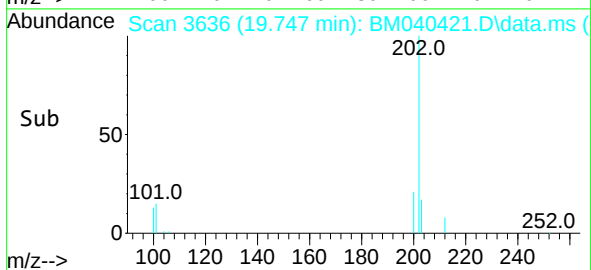
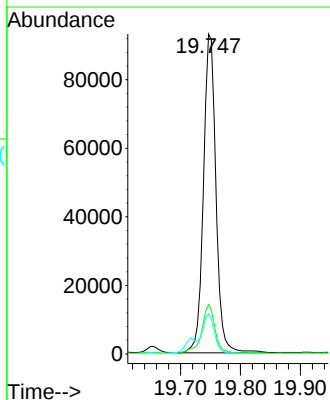
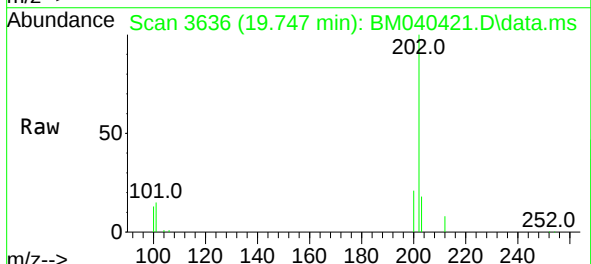
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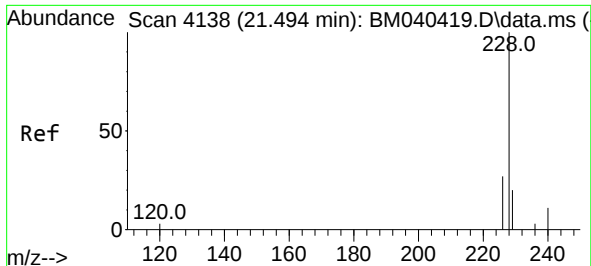
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#20
Pyrene
Concen: 2.030 ng/u1
RT: 19.747 min Scan# 3636
Delta R.T. -0.009 min
Lab File: BM040421.D
Acq: 27 Jun 2023 03:11

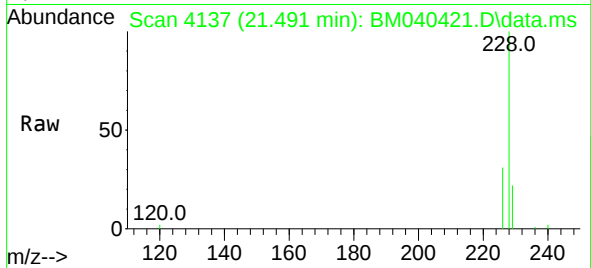
Tgt Ion:202 Resp: 134916
Ion Ratio Lower Upper
202 100
101 15.4 12.6 18.8
100 12.6 9.8 14.6





#21
Benzo(a)anthracene
Concen: 1.936 ng/ul
RT: 21.491 min Scan# 4137
Delta R.T. -0.009 min
Lab File: BM040421.D
Acq: 27 Jun 2023 03:11

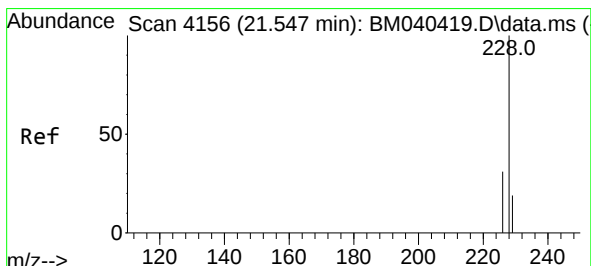
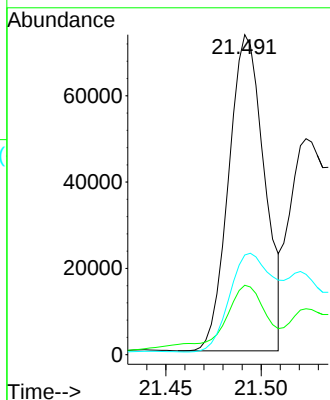
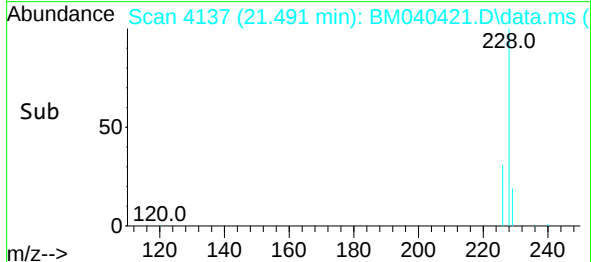
Instrument :
BNA_M
ClientSampleId :
DCFL8DL



Tgt Ion:228 Resp: 95609
Ion Ratio Lower Upper
228 100
229 21.7 16.0 24.0
226 31.1 22.3 33.5

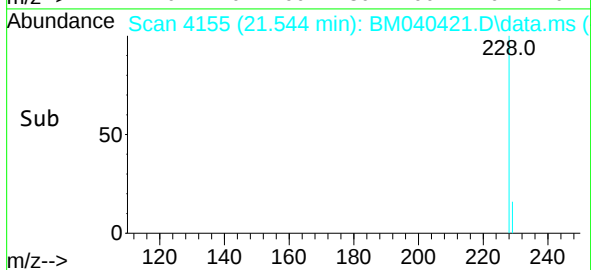
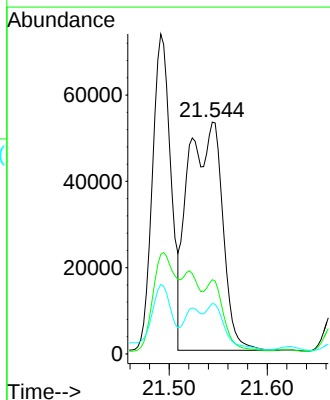
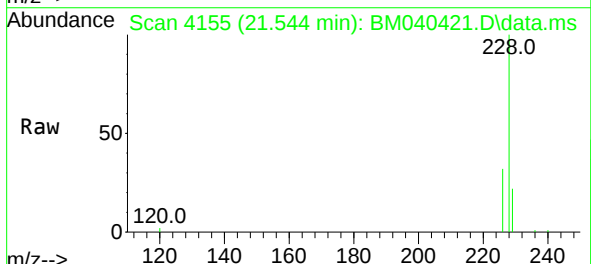
Manual Integrations
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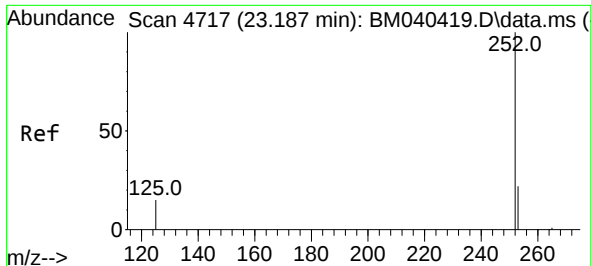
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#22
Chrysene
Concen: 2.293 ng/ul
RT: 21.544 min Scan# 4155
Delta R.T. -0.009 min
Lab File: BM040421.D
Acq: 27 Jun 2023 03:11

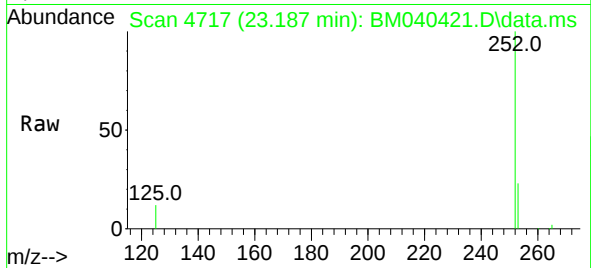
Tgt Ion:228 Resp: 129121
Ion Ratio Lower Upper
228 100
226 32.0 24.9 37.3
229 21.7 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 7.597 ng/ul
RT: 23.187 min Scan# 4717
Delta R.T. -0.006 min
Lab File: BM040421.D
Acq: 27 Jun 2023 03:11

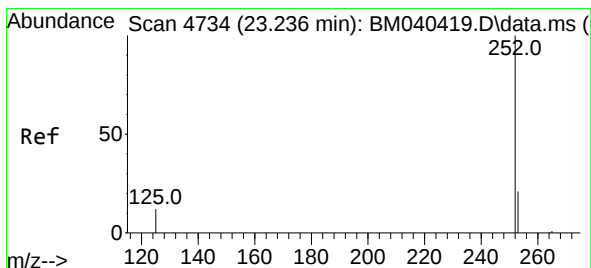
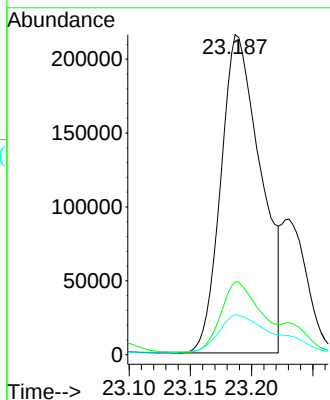
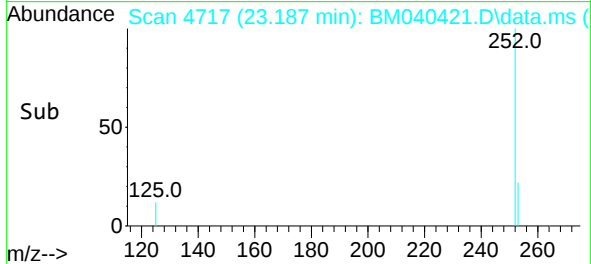
Instrument :
BNA_M
ClientSampleId :
DCFL8DL



Tgt Ion:252 Resp: 490220
Ion Ratio Lower Upper
252 100
253 22.8 0.0 52.8
125 12.5 0.0 43.0

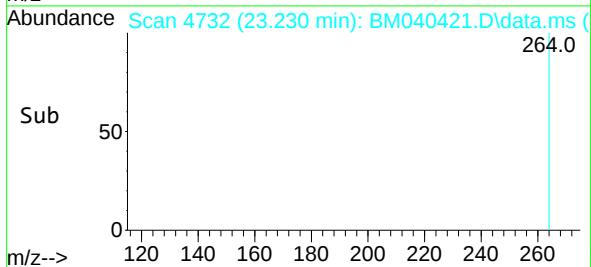
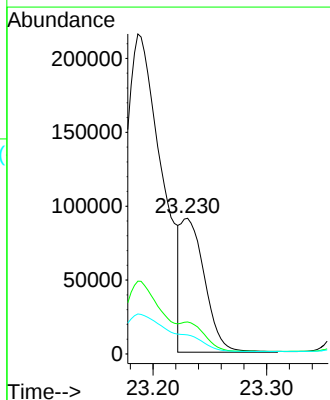
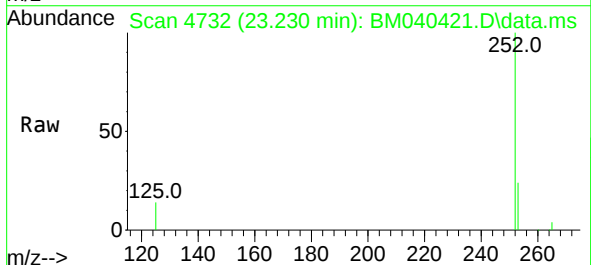
Manual Integrations
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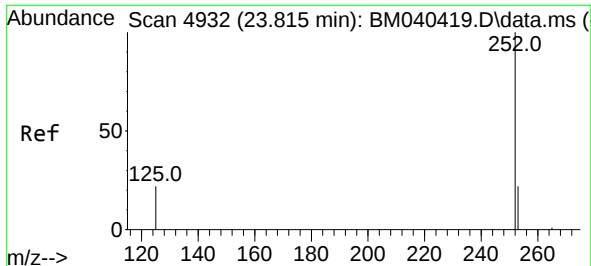
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#25
Benzo(k)fluoranthene
Concen: 2.113 ng/ul m
RT: 23.230 min Scan# 4732
Delta R.T. -0.012 min
Lab File: BM040421.D
Acq: 27 Jun 2023 03:11

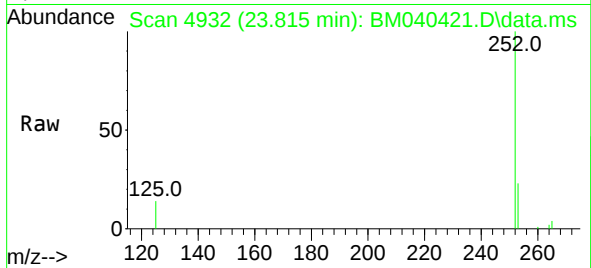
Tgt Ion:252 Resp: 134366
Ion Ratio Lower Upper
252 100
253 23.6 21.2 31.8
125 14.1 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 4.329 ng/ul
RT: 23.815 min Scan# 4932
Delta R.T. -0.009 min
Lab File: BM040421.D
Acq: 27 Jun 2023 03:11

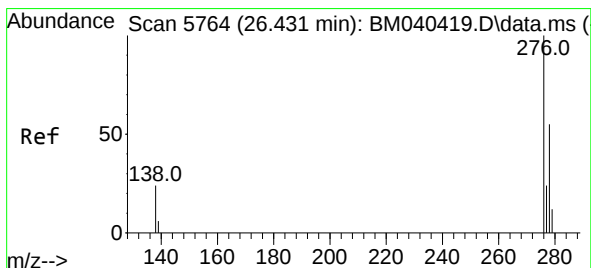
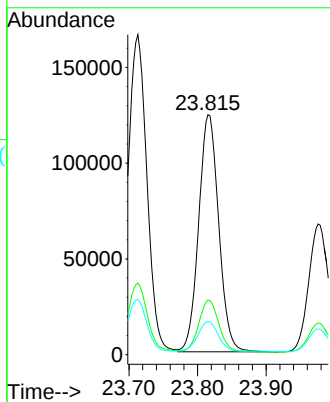
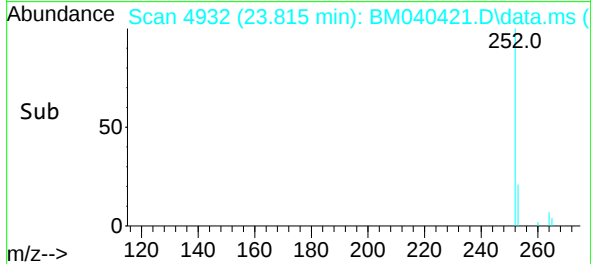
Instrument :
BNA_M
ClientSampleId :
DCFL8DL



Tgt Ion:252 Resp: 251619
Ion Ratio Lower Upper
252 100
253 22.8 22.9 34.3#
125 13.8 21.0 31.4#

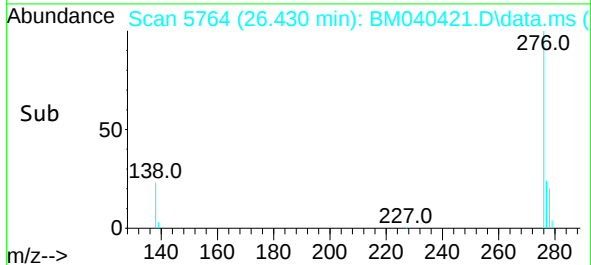
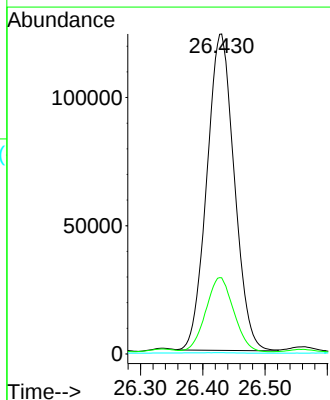
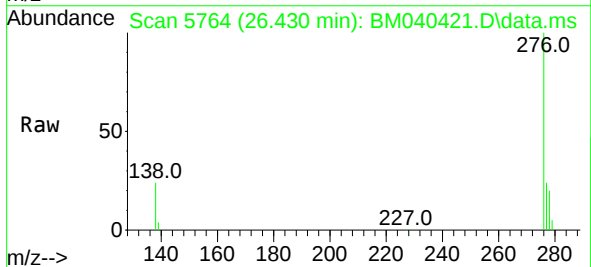
Manual Integrations
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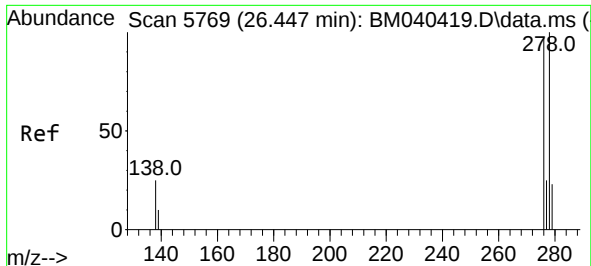
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 4.674 ng/ul
RT: 26.430 min Scan# 5764
Delta R.T. -0.003 min
Lab File: BM040421.D
Acq: 27 Jun 2023 03:11

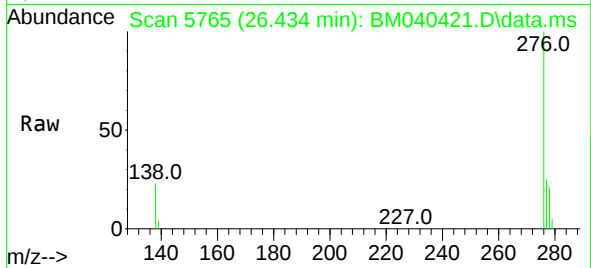
Tgt Ion:276 Resp: 378377
Ion Ratio Lower Upper
276 100
138 24.0 24.5 36.7#
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 1.444 ng/ul
RT: 26.434 min Scan# 5765
Delta R.T. -0.020 min
Lab File: BM040421.D
Acq: 27 Jun 2023 03:11

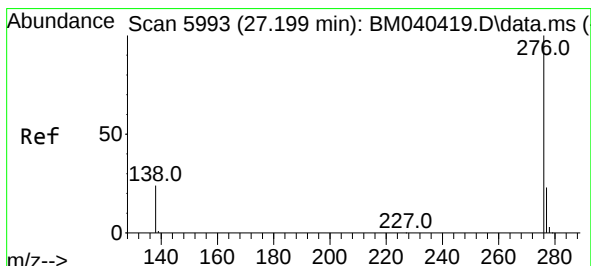
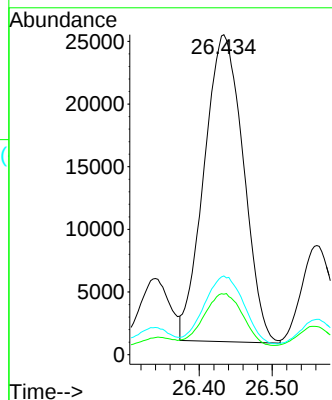
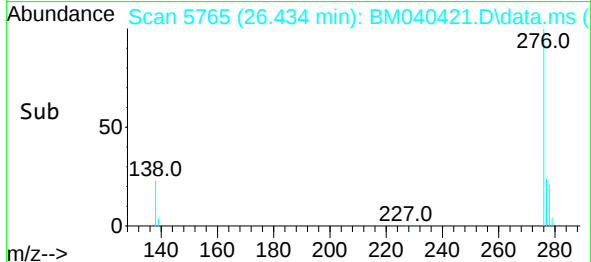
Instrument :
BNA_M
ClientSampleId :
DCFL8DL



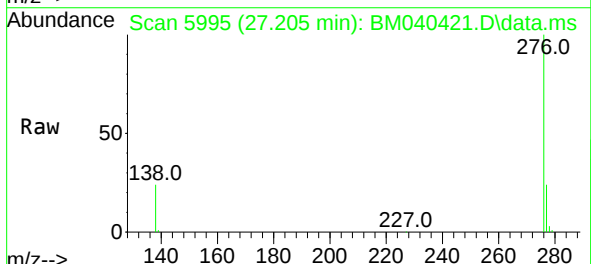
Tgt Ion:278 Resp: 91514
Ion Ratio Lower Upper
278 100
139 18.9 17.9 26.9
279 24.6 22.0 33.0

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Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#29
Benzo(g,h,i)perylene
Concen: 5.704 ng/ul
RT: 27.205 min Scan# 5995
Delta R.T. -0.000 min
Lab File: BM040421.D
Acq: 27 Jun 2023 03:11



Tgt Ion:276 Resp: 404698
Ion Ratio Lower Upper
276 100
138 24.4 23.0 34.6
277 23.8 20.3 30.5

