

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062623\
 Data File : BM040413.D
 Acq On : 26 Jun 2023 22:16
 Operator : MA/JU
 Sample : 03084-14DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFN1DL

Manual Integrations
 APPROVED

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

Quant Time: Jun 27 04:27:52 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	7437	0.400	ng/ul	0.00
4) Naphthalene-d8	10.756	136	27878	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.586	164	13933	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.332	188	28500	0.400	ng/ul	0.00
17) Chrysene-d12	21.512	240	16987	0.400	ng/ul	0.00
23) Perylene-d12	23.929	264	16059	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	6085	0.521	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.345	152	1454	0.037	ng/ul	0.00
18) Fluoranthene-d10	19.356	212	2552	0.047	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.806	128	77146	1.003	ng/ul	99
7) 2-Methylnaphthalene	12.417	142	16315	0.361	ng/ul	99
8) 1-Methylnaphthalene	12.637	142	5899	0.131	ng/ul	98
10) Acenaphthylene	14.309	152	94079	1.512	ng/ul	99
11) Acenaphthene	14.647	153	5554	0.106	ng/ul	96
12) Fluorene	15.637	166	6973	0.124	ng/ul#	98
15) Phenanthrene	17.374	178	154056	1.740	ng/ul	99
16) Anthracene	17.463	178	47656	0.641	ng/ul	100
19) Fluoranthene	19.389	202	435022	6.029	ng/ul	94
20) Pyrene	19.751	202	338188	4.372	ng/ul	96
21) Benzo(a)anthracene	21.497	228	205285	3.573	ng/ul	97
22) Chrysene	21.550	228	196106	2.992	ng/ul	98
24) Benzo(b)fluoranthene	23.192	252	314140	5.055	ng/ul	88
25) Benzo(k)fluoranthene	23.236	252	91645m	1.496	ng/ul	
26) Benzo(a)pyrene	23.821	252	182192	3.254	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.434	276	166636	2.137	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.437	278	39749	0.651	ng/ul	95
29) Benzo(g,h,i)perylene	27.209	276	153176	2.242	ng/ul	95

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

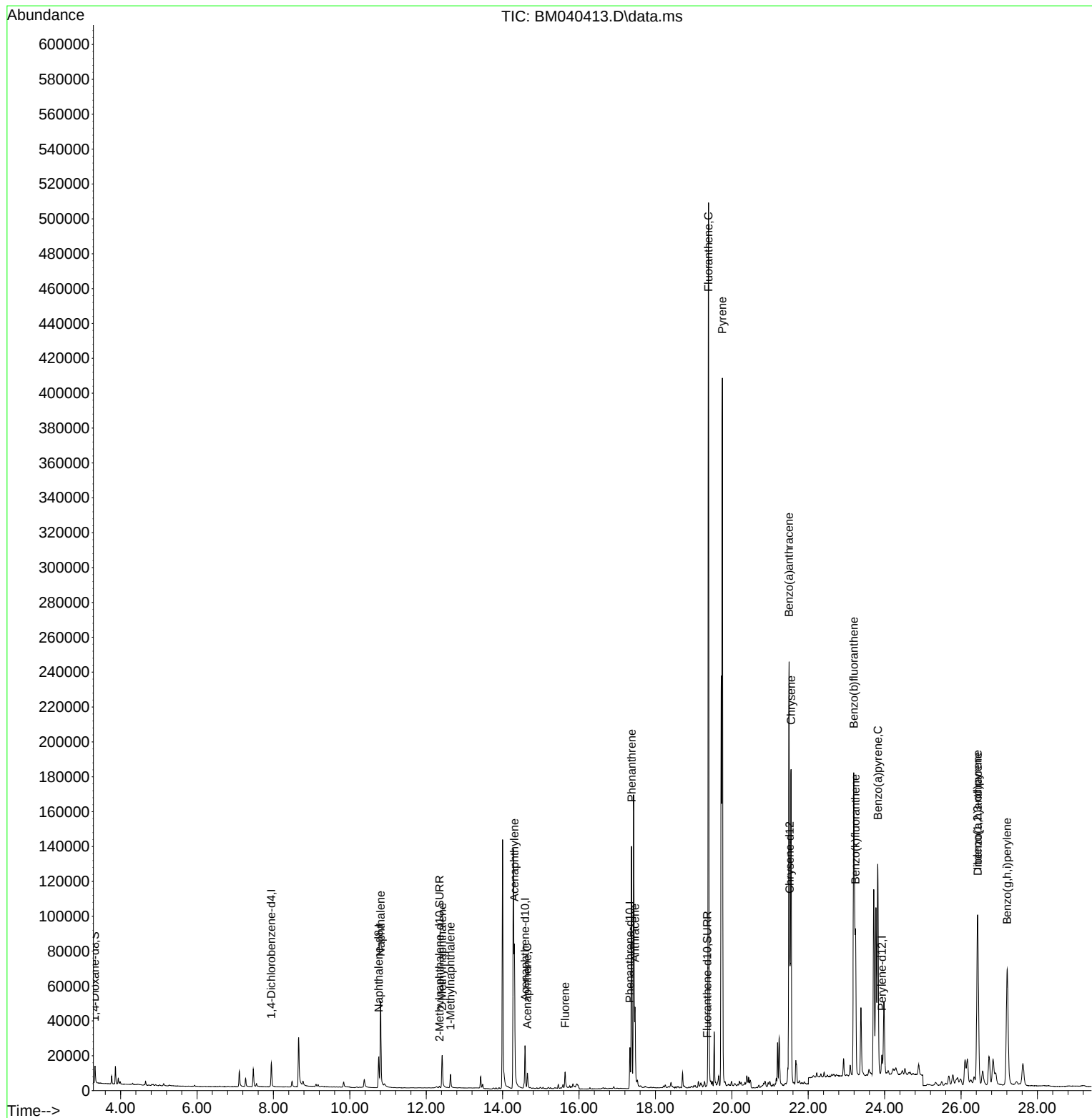
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062623\
Data File : BM040413.D
Acq On : 26 Jun 2023 22:16
Operator : MA/JU
Sample : 03084-14DL 5X
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ALS Vial : 15 Sample Multiplier: 1

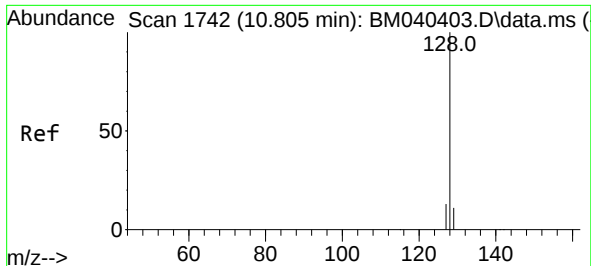
Instrument :
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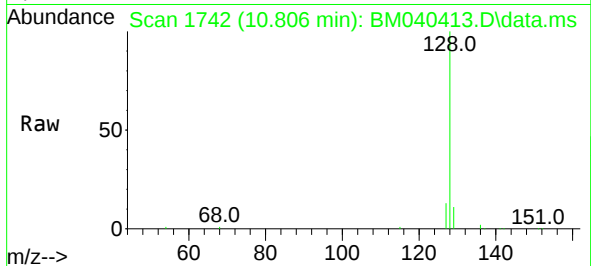
Quant Time: Jun 27 04:27:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 00:44:24 2023
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#5
Naphthalene
Concen: 1.003 ng/ul
RT: 10.806 min Scan# 1742
Delta R.T. -0.006 min
Lab File: BM040413.D
Acq: 26 Jun 2023 22:16

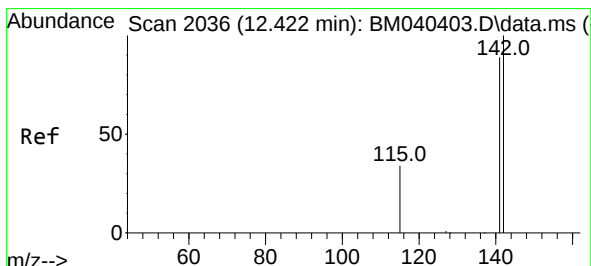
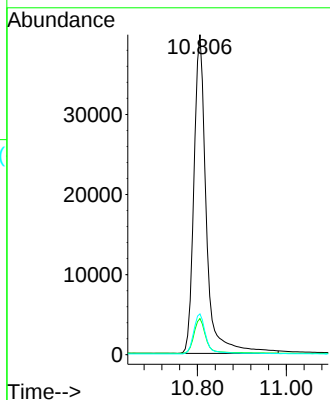
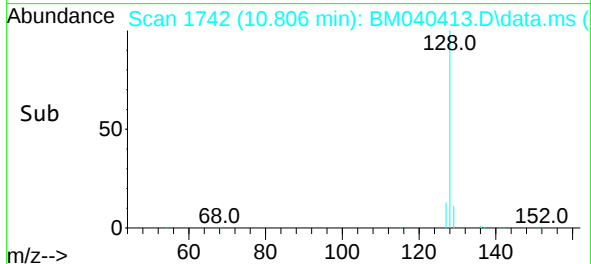
Instrument :
BNA_M
ClientSampleId :
DCFN1DL



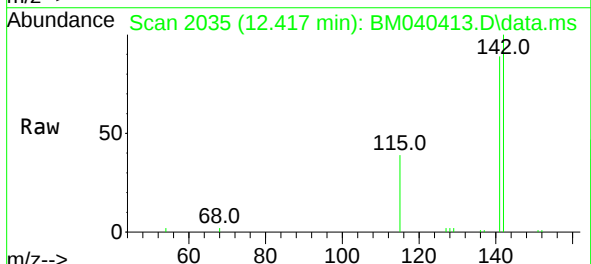
Tgt Ion:128 Resp: 77140
Ion Ratio Lower Upper
128 100
129 11.3 9.2 13.8
127 12.8 10.6 15.8

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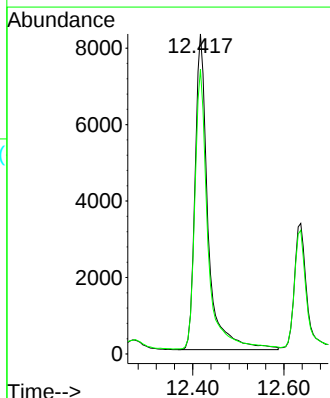
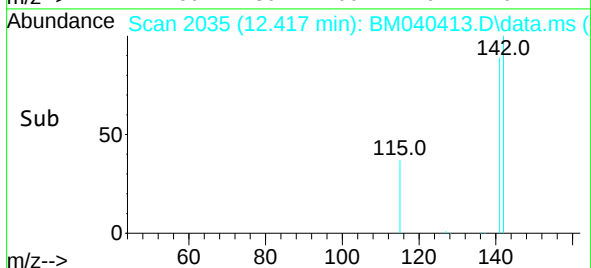
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023

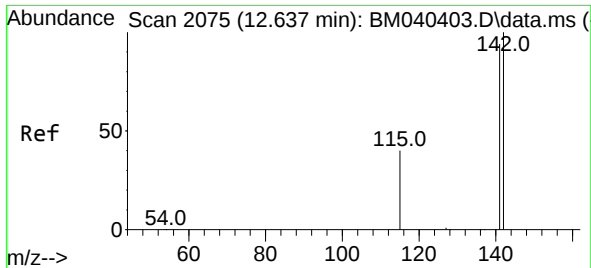


#7
2-Methylnaphthalene
Concen: 0.361 ng/ul
RT: 12.417 min Scan# 2035
Delta R.T. -0.005 min
Lab File: BM040413.D
Acq: 26 Jun 2023 22:16



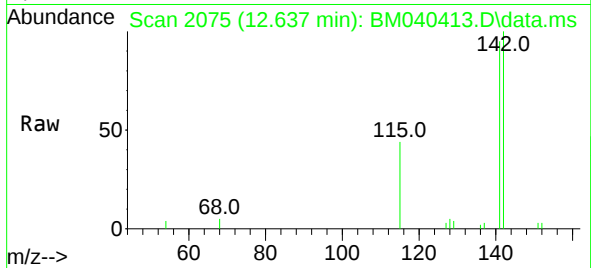
Tgt Ion:142 Resp: 16315
Ion Ratio Lower Upper
142 100
141 88.7 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.131 ng/ul
RT: 12.637 min Scan# 2075
Delta R.T. -0.006 min
Lab File: BM040413.D
Acq: 26 Jun 2023 22:16

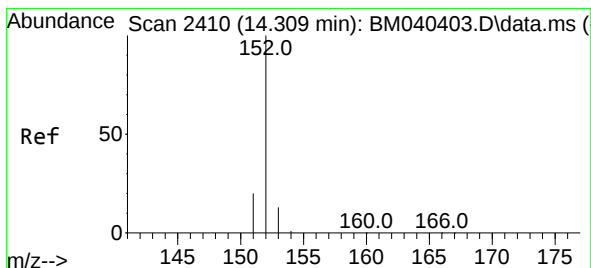
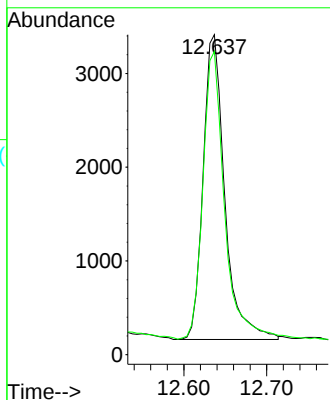
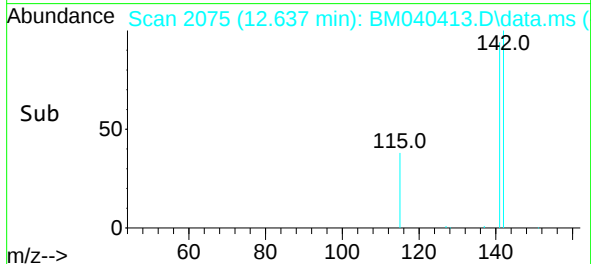
Instrument :
BNA_M
ClientSampleId :
DCFN1DL



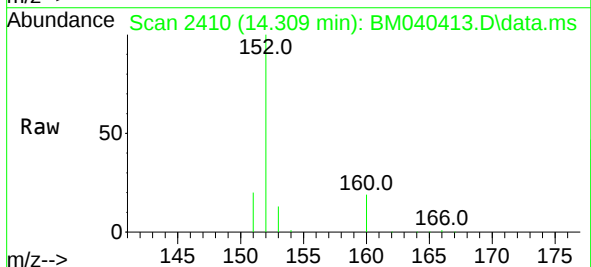
Tgt Ion:142 Resp: 589
Ion Ratio Lower Upper
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141 93.9 73.7 110.5

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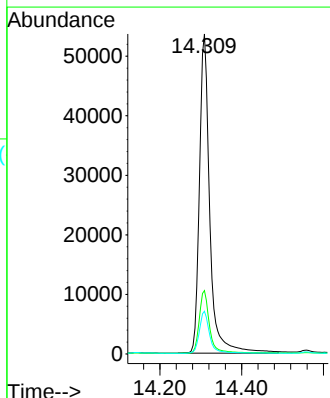
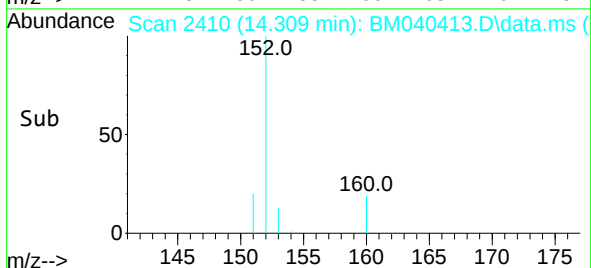
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023

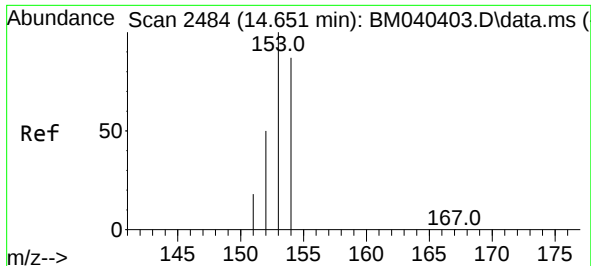


#10
Acenaphthylene
Concen: 1.512 ng/ul
RT: 14.309 min Scan# 2410
Delta R.T. -0.005 min
Lab File: BM040413.D
Acq: 26 Jun 2023 22:16



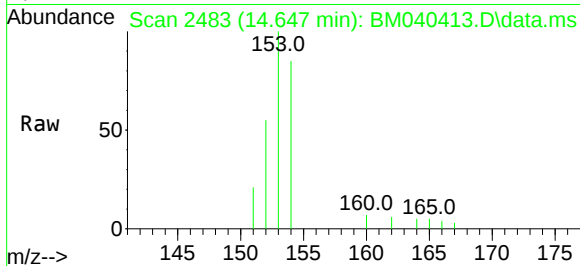
Tgt Ion:152 Resp: 94079
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.4 10.9 16.3





#11
Acenaphthene
Concen: 0.106 ng/u1
RT: 14.647 min Scan# 2483
Delta R.T. -0.009 min
Lab File: BM040413.D
Acq: 26 Jun 2023 22:16

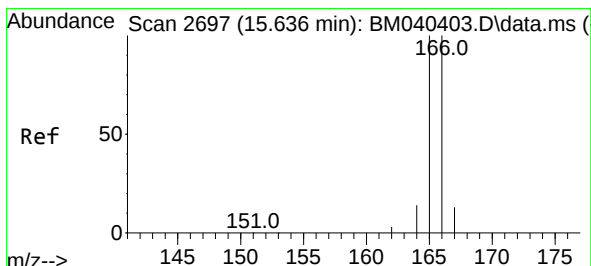
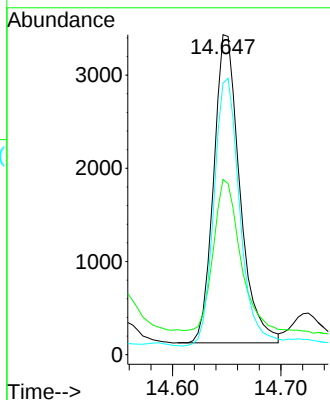
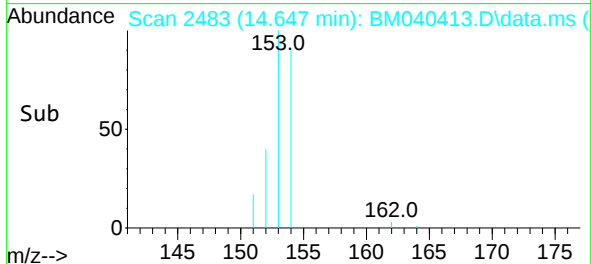
Instrument :
BNA_M
ClientSampleId :
DCFN1DL



Tgt Ion:153 Resp: 5554
Ion Ratio Lower Upper
153 100
152 54.8 41.0 61.4
154 84.9 70.8 106.2

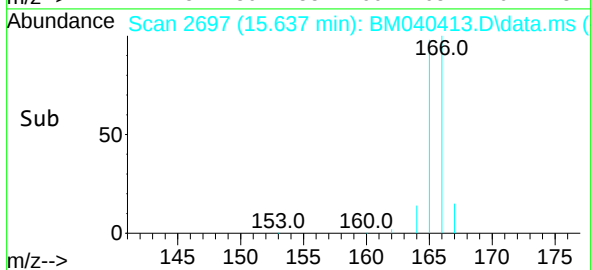
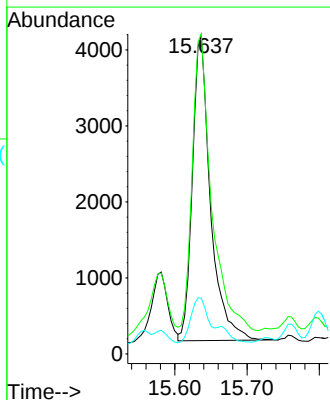
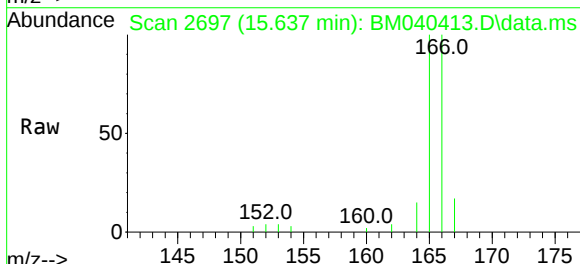
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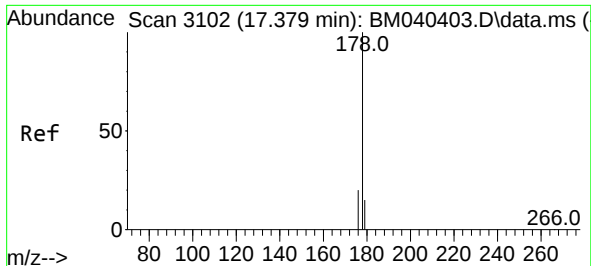
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#12
Fluorene
Concen: 0.124 ng/u1
RT: 15.637 min Scan# 2697
Delta R.T. -0.005 min
Lab File: BM040413.D
Acq: 26 Jun 2023 22:16

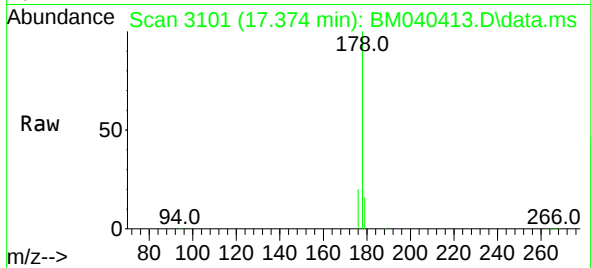
Tgt Ion:166 Resp: 6973
Ion Ratio Lower Upper
166 100
165 100.4 79.6 119.4
167 17.6 11.4 17.0#





#15
Phenanthrene
Concen: 1.740 ng/ul
RT: 17.374 min Scan# 3101
Delta R.T. -0.004 min
Lab File: BM040413.D
Acq: 26 Jun 2023 22:16

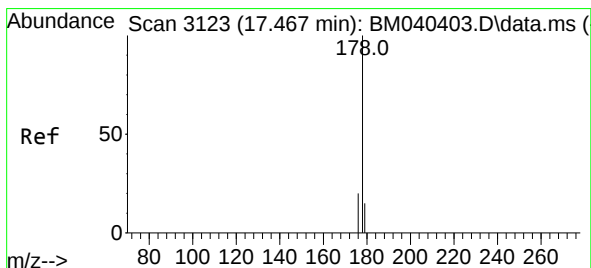
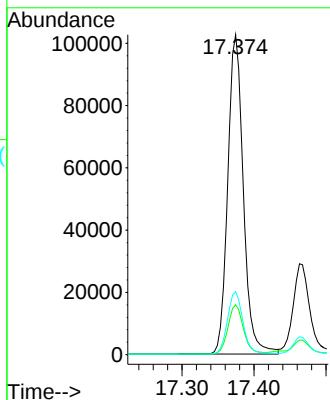
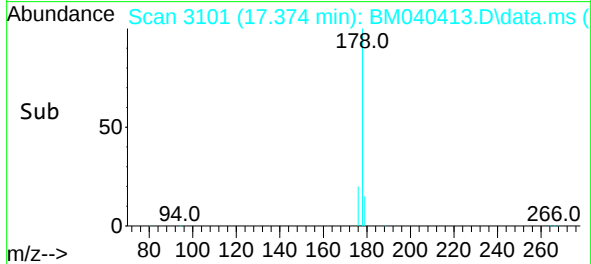
Instrument :
BNA_M
ClientSampleId :
DCFN1DL



Tgt Ion:178 Resp: 154056
Ion Ratio Lower Upper
178 100
179 15.6 12.8 19.2
176 19.7 16.4 24.6

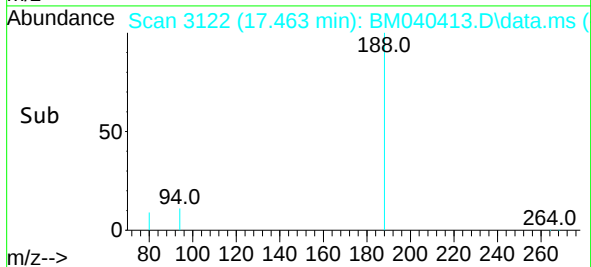
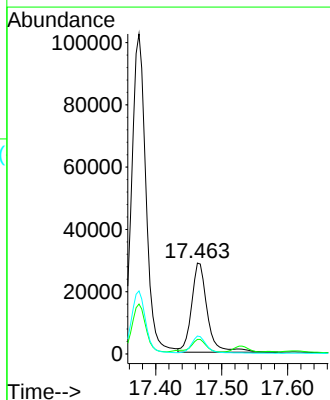
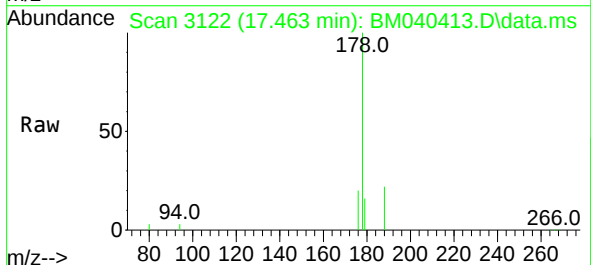
Manual Integrations
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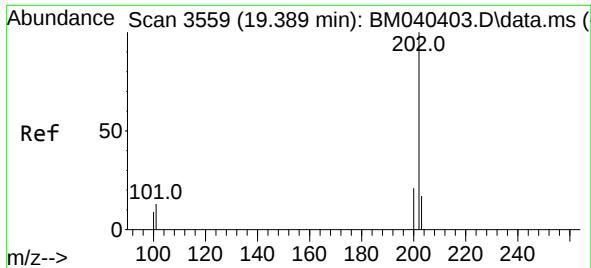
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#16
Anthracene
Concen: 0.641 ng/ul
RT: 17.463 min Scan# 3122
Delta R.T. -0.008 min
Lab File: BM040413.D
Acq: 26 Jun 2023 22:16

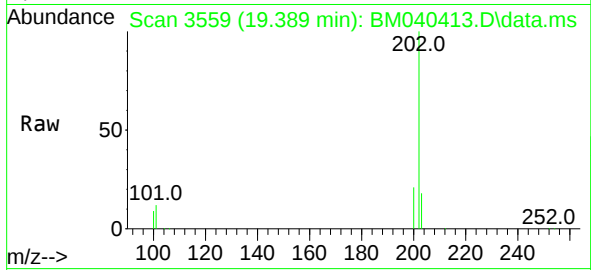
Tgt Ion:178 Resp: 47656
Ion Ratio Lower Upper
178 100
179 16.0 12.9 19.3
176 19.8 15.8 23.6





#19
Fluoranthene
Concen: 6.029 ng/u1
RT: 19.389 min Scan# 3559
Delta R.T. -0.000 min
Lab File: BM040413.D
Acq: 26 Jun 2023 22:16

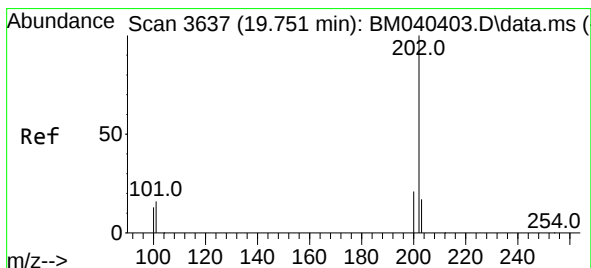
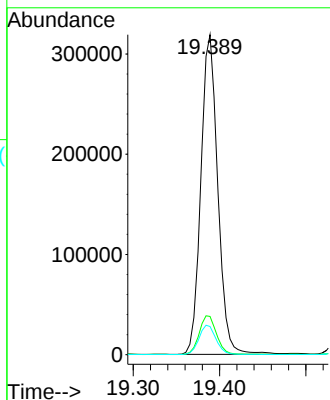
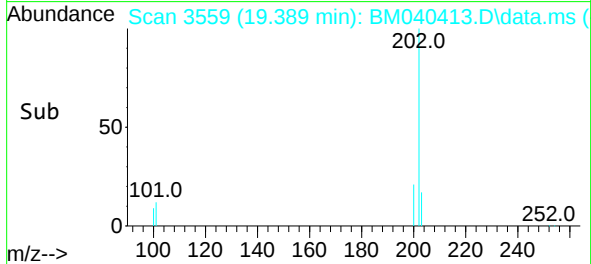
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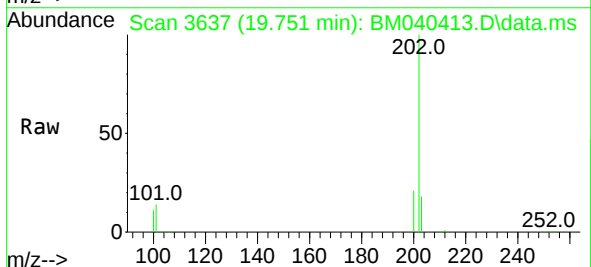
Tgt Ion:202 Resp: 43502
Ion Ratio Lower Upper
202 100
101 11.9 11.4 17.0
100 8.8 8.7 13.1

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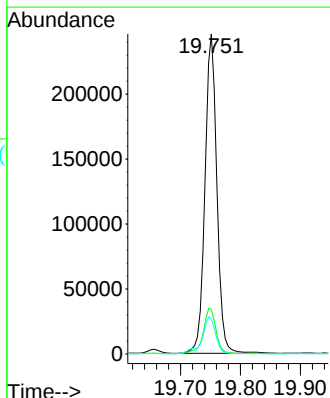
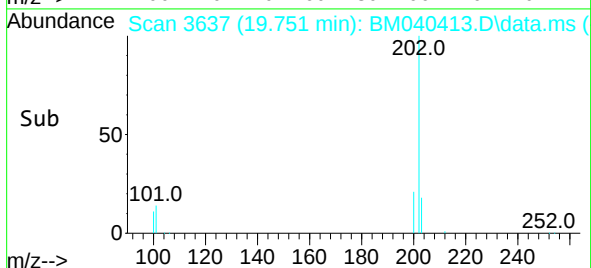
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023

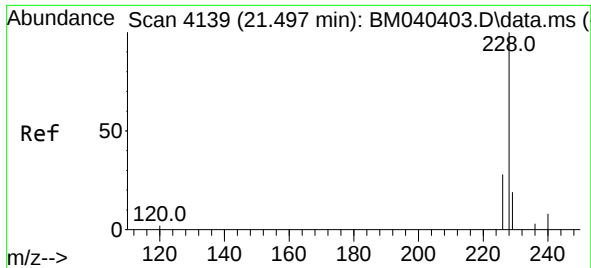


#20
Pyrene
Concen: 4.372 ng/u1
RT: 19.751 min Scan# 3637
Delta R.T. -0.005 min
Lab File: BM040413.D
Acq: 26 Jun 2023 22:16



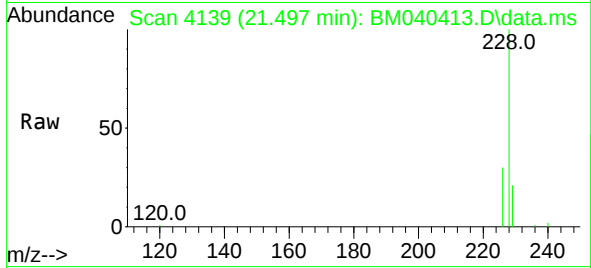
Tgt Ion:202 Resp: 338188
Ion Ratio Lower Upper
202 100
101 14.0 12.6 18.8
100 11.0 9.8 14.6





#21
Benzo(a)anthracene
Concen: 3.573 ng/u1
RT: 21.497 min Scan# 4139
Delta R.T. -0.003 min
Lab File: BM040413.D
Acq: 26 Jun 2023 22:16

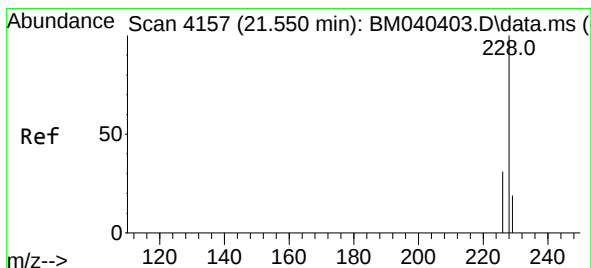
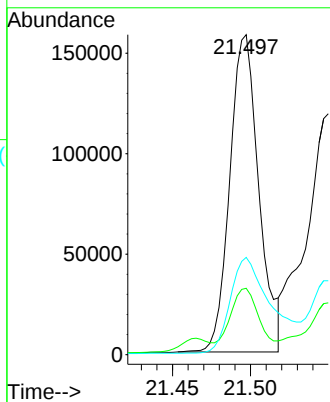
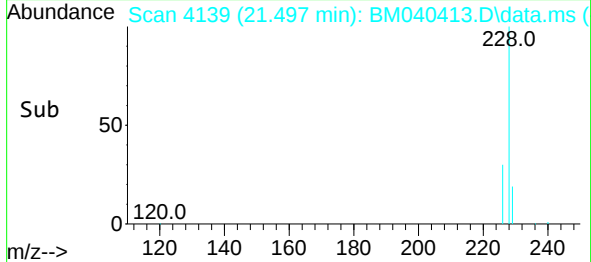
Instrument :
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Tgt Ion:228 Resp: 205285
Ion Ratio Lower Upper
228 100
229 20.8 16.0 24.0
226 30.4 22.3 33.5

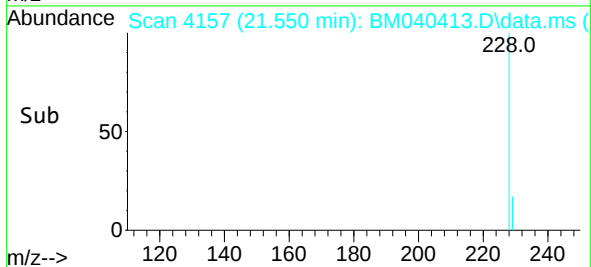
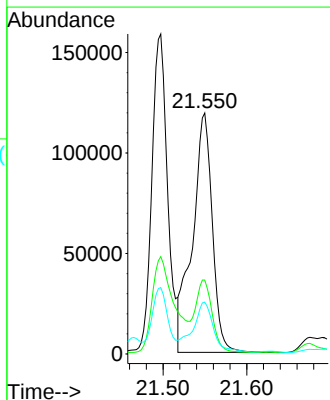
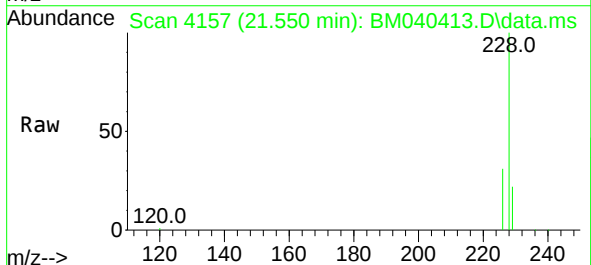
Manual Integrations
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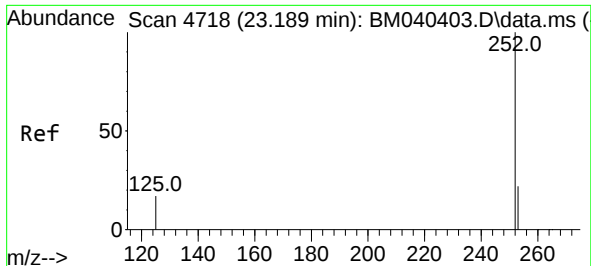
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#22
Chrysene
Concen: 2.992 ng/u1
RT: 21.550 min Scan# 4157
Delta R.T. -0.003 min
Lab File: BM040413.D
Acq: 26 Jun 2023 22:16

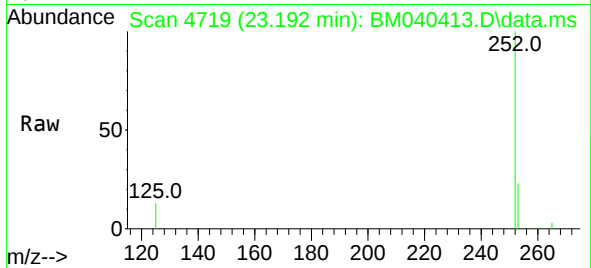
Tgt Ion:228 Resp: 196106
Ion Ratio Lower Upper
228 100
226 30.7 24.9 37.3
229 21.5 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 5.055 ng/ul
RT: 23.192 min Scan# 4719
Delta R.T. -0.000 min
Lab File: BM040413.D
Acq: 26 Jun 2023 22:16

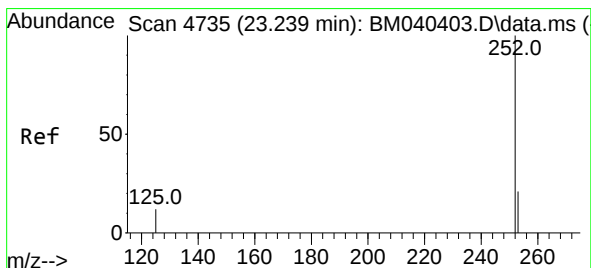
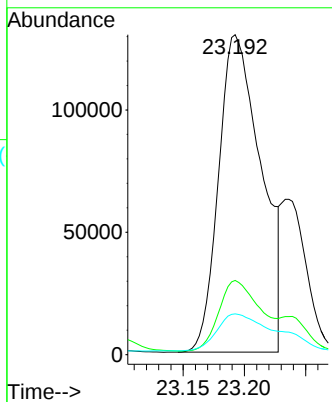
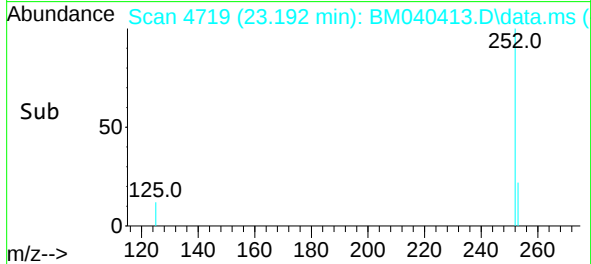
Instrument :
BNA_M
ClientSampleId :
DCFN1DL



Tgt Ion:252 Resp: 314140
Ion Ratio Lower Upper
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253 23.2 0.0 52.8
125 12.7 0.0 43.0

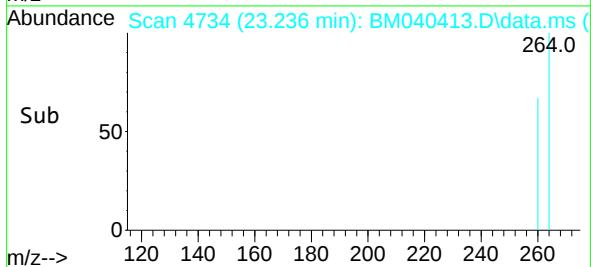
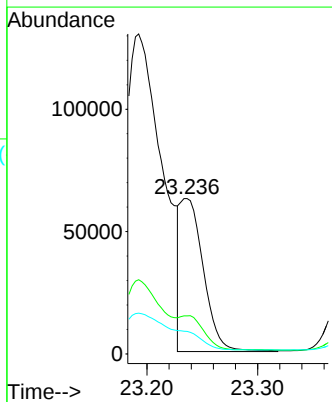
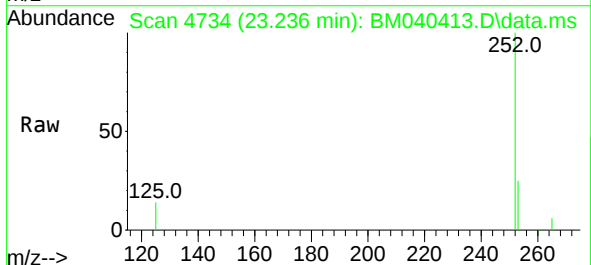
Manual Integrations
APPROVED

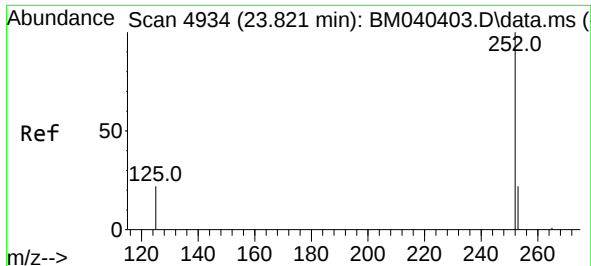
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#25
Benzo(k)fluoranthene
Concen: 1.496 ng/ul m
RT: 23.236 min Scan# 4734
Delta R.T. -0.006 min
Lab File: BM040413.D
Acq: 26 Jun 2023 22:16

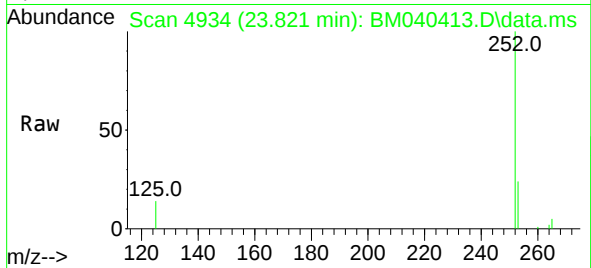
Tgt Ion:252 Resp: 91645
Ion Ratio Lower Upper
252 100
253 24.6 21.2 31.8
125 14.5 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 3.254 ng/ul
RT: 23.821 min Scan# 4934
Delta R.T. -0.003 min
Lab File: BM040413.D
Acq: 26 Jun 2023 22:16

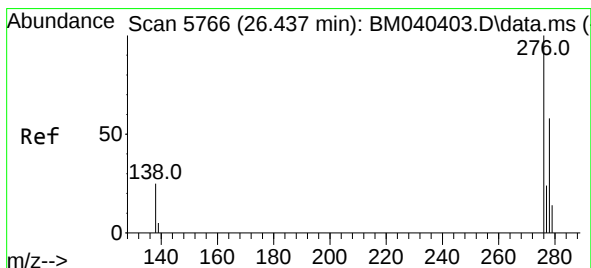
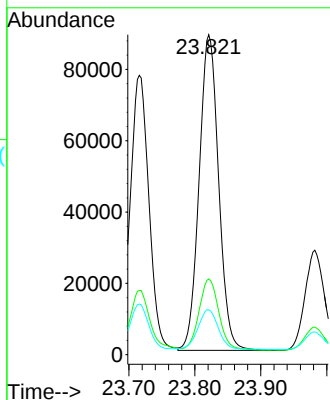
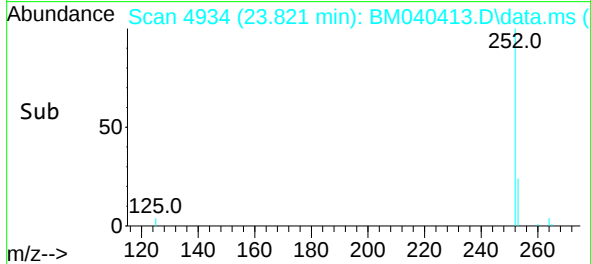
Instrument :
BNA_M
ClientSampleId :
DCFN1DL



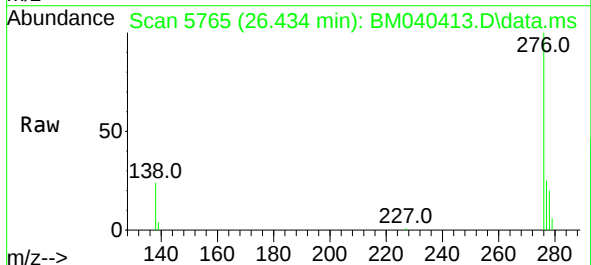
Tgt Ion:252 Resp: 182192
Ion Ratio Lower Upper
252 100
253 23.7 22.9 34.3
125 14.0 21.0 31.4

Manual Integrations
APPROVED

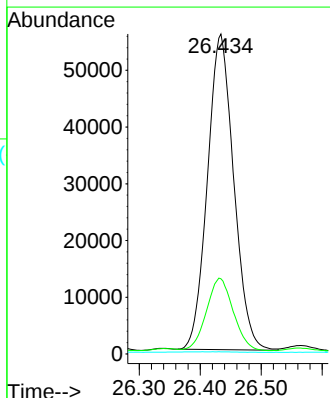
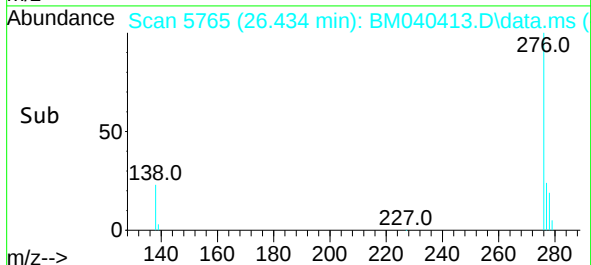
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023

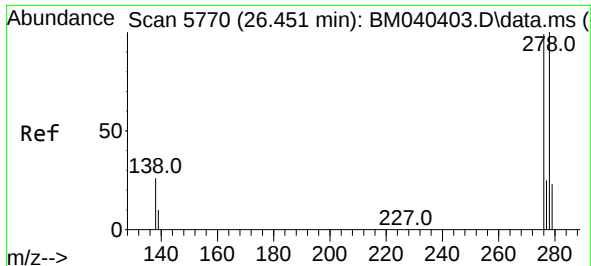


#27
Indeno(1,2,3-cd)pyrene
Concen: 2.137 ng/ul
RT: 26.434 min Scan# 5765
Delta R.T. -0.000 min
Lab File: BM040413.D
Acq: 26 Jun 2023 22:16



Tgt Ion:276 Resp: 166636
Ion Ratio Lower Upper
276 100
138 23.6 24.5 36.7#
227 0.3 0.1 0.1#





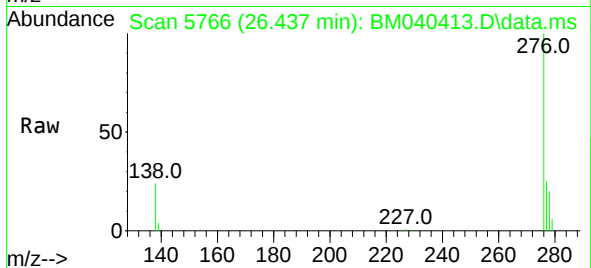
#28
Dibenzo(a,h)anthracene
Concen: 0.651 ng/ul
RT: 26.437 min Scan# 5766
Delta R.T. -0.017 min
Lab File: BM040413.D
Acq: 26 Jun 2023 22:16

Instrument :

BNA_M

ClientSampleId :

DCFN1DL



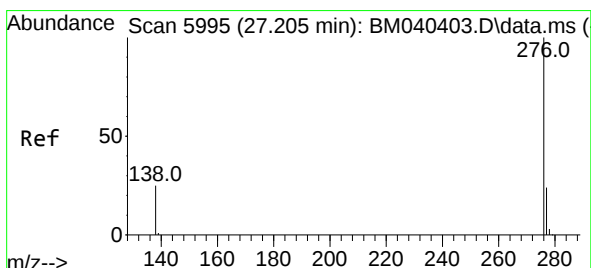
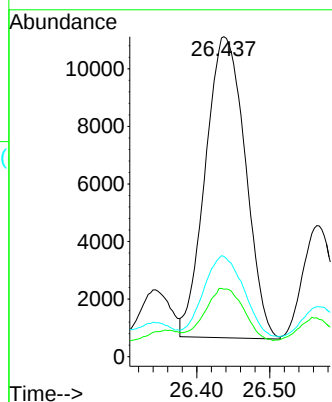
Tgt Ion:278 Resp: 39749
Ion Ratio Lower Upper
278 100
139 21.1 17.9 26.9
279 31.3 22.0 33.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/27/2023

Supervised By :mohammad ahmed 06/27/2023



#29
Benzo(g,h,i)perylene
Concen: 2.242 ng/ul
RT: 27.209 min Scan# 5996
Delta R.T. 0.003 min
Lab File: BM040413.D
Acq: 26 Jun 2023 22:16

Tgt Ion:276 Resp: 153176
Ion Ratio Lower Upper
276 100
138 24.6 23.0 34.6
277 24.5 20.3 30.5

