

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062623\
 Data File : BM040415.D
 Acq On : 26 Jun 2023 23:30
 Operator : MA/JU
 Sample : 03084-17DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFN4DL

Manual Integrations
 APPROVED

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

Quant Time: Jun 27 04:28:14 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	7756	0.400	ng/ul	0.00
4) Naphthalene-d8	10.756	136	26605	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.586	164	11335	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.332	188	18663	0.400	ng/ul	0.00
17) Chrysene-d12	21.512	240	11987	0.400	ng/ul	0.00
23) Perylene-d12	23.926	264	13414	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.333	96	7136	0.586	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.345	152	1546	0.041	ng/ul	0.00
18) Fluoranthene-d10	19.356	212	1823	0.047	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.806	128	23731	0.323	ng/ul	99
7) 2-Methylnaphthalene	12.417	142	10014	0.232	ng/ul	98
8) 1-Methylnaphthalene	12.637	142	6083	0.141	ng/ul	100
10) Acenaphthylene	14.309	152	12670	0.250	ng/ul	96
11) Acenaphthene	14.651	153	1223	0.029	ng/ul#	91
12) Fluorene	15.637	166	1550	0.034	ng/ul#	87
15) Phenanthrene	17.375	178	44040	0.760	ng/ul	99
16) Anthracene	17.463	178	10618	0.218	ng/ul	96
19) Fluoranthene	19.389	202	115469	2.268	ng/ul	95
20) Pyrene	19.751	202	91125	1.669	ng/ul	98
21) Benzo(a)anthracene	21.494	228	54473	1.343	ng/ul	97
22) Chrysene	21.550	228	63037m	1.363	ng/ul	
24) Benzo(b)fluoranthene	23.190	252	97151	1.871	ng/ul	93
25) Benzo(k)fluoranthene	23.233	252	32211m	0.630	ng/ul	
26) Benzo(a)pyrene	23.818	252	57931	1.239	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	26.430	276	53034	0.814	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.441	278	13250	0.260	ng/ul#	82
29) Benzo(g,h,i)perylene	27.212	276	53664	0.940	ng/ul	97

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

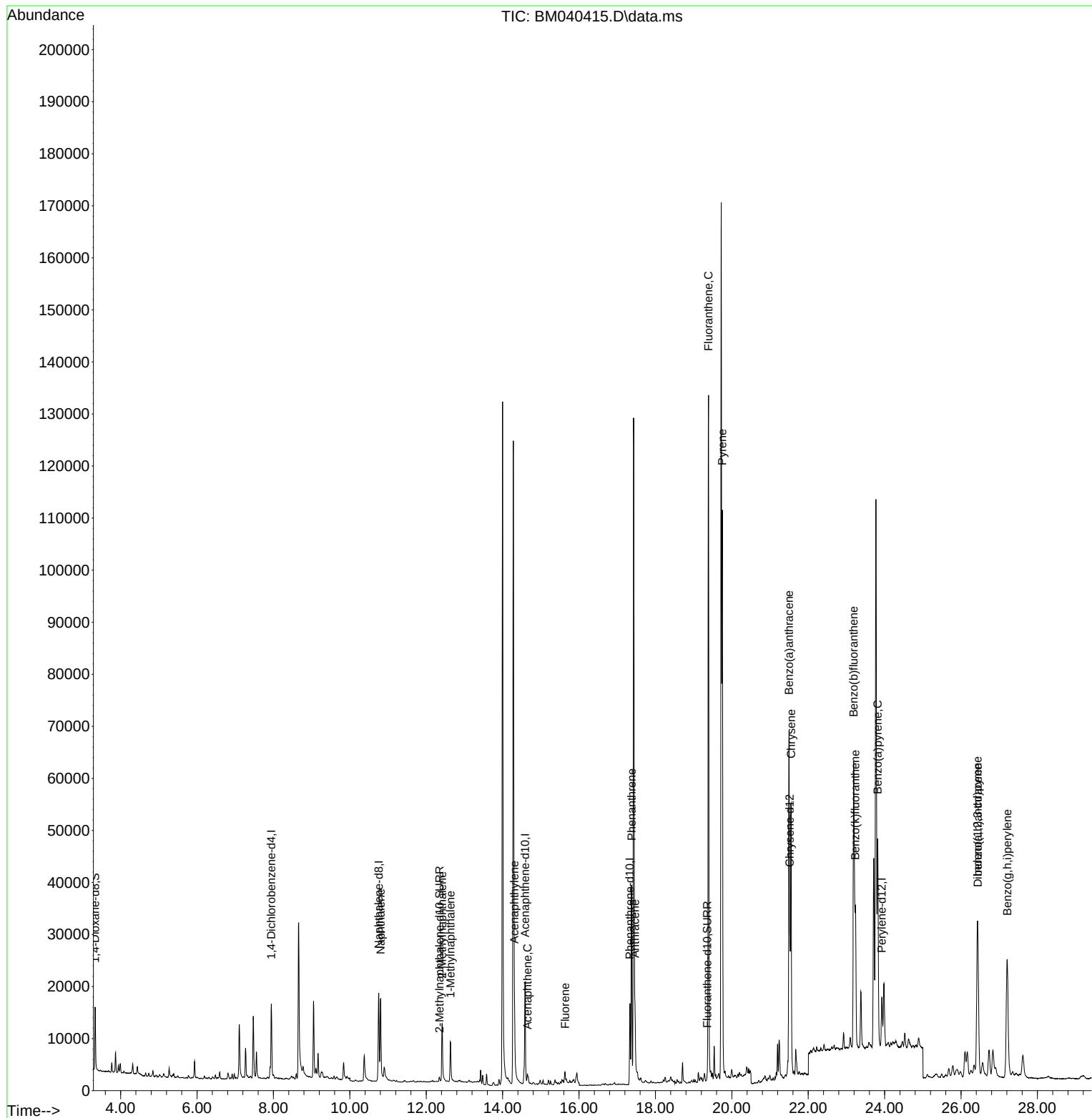
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062623\
Data File : BM040415.D
Acq On : 26 Jun 2023 23:30
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Sample : 03084-17DL 5X
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ALS Vial : 17 Sample Multiplier: 1

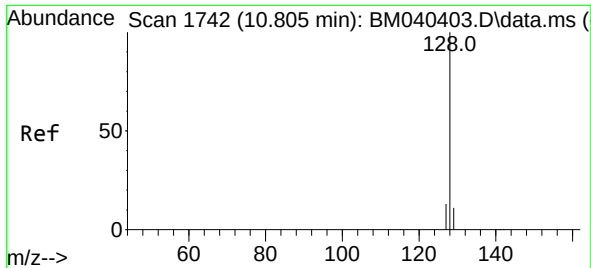
Instrument :
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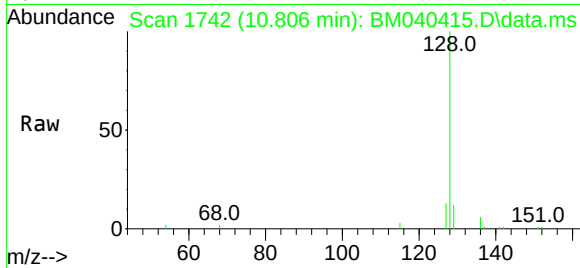
Quant Time: Jun 27 04:28:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 00:44:24 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.323 ng/ul
RT: 10.806 min Scan# 1742
Delta R.T. -0.005 min
Lab File: BM040415.D
Acq: 26 Jun 2023 23:30

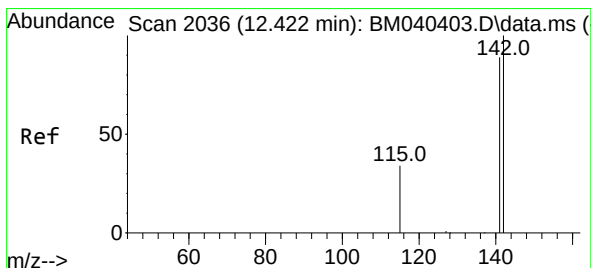
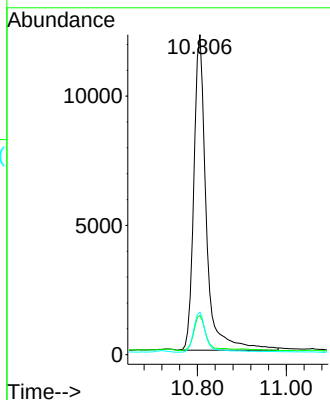
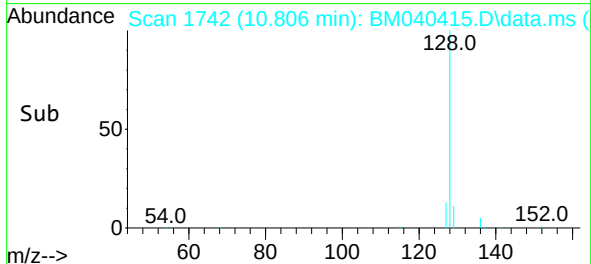
Instrument :
BNA_M
ClientSampleId :
DCFN4DL



Tgt Ion:128 Resp: 2373
Ion Ratio Lower Upper
128 100
129 12.2 9.2 13.8
127 13.3 10.6 15.8

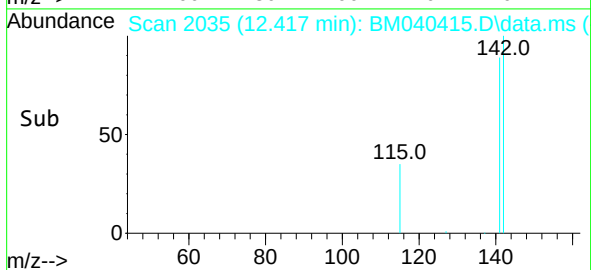
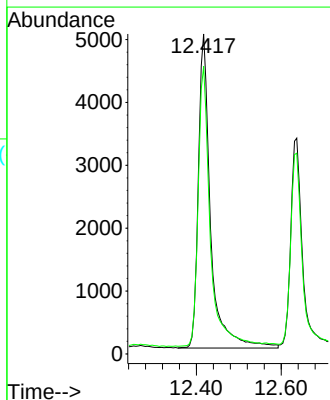
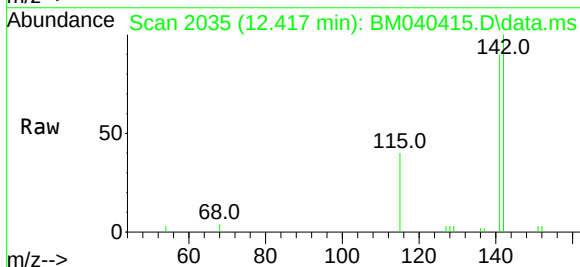
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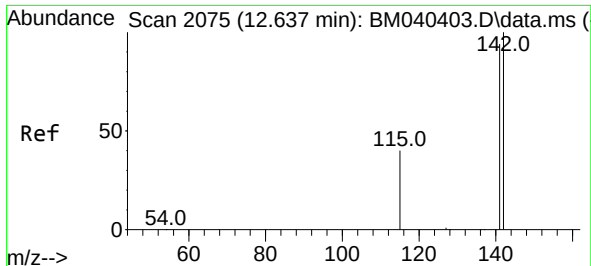
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#7
2-Methylnaphthalene
Concen: 0.232 ng/ul
RT: 12.417 min Scan# 2035
Delta R.T. -0.005 min
Lab File: BM040415.D
Acq: 26 Jun 2023 23:30

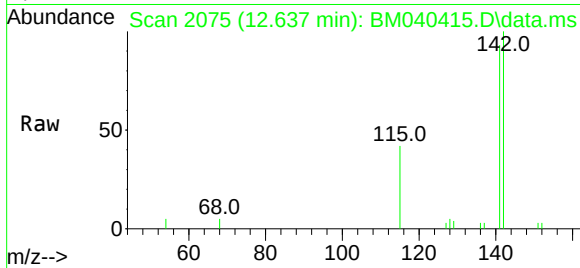
Tgt Ion:142 Resp: 10014
Ion Ratio Lower Upper
142 100
141 88.4 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.141 ng/ul
RT: 12.637 min Scan# 2075
Delta R.T. -0.005 min
Lab File: BM040415.D
Acq: 26 Jun 2023 23:30

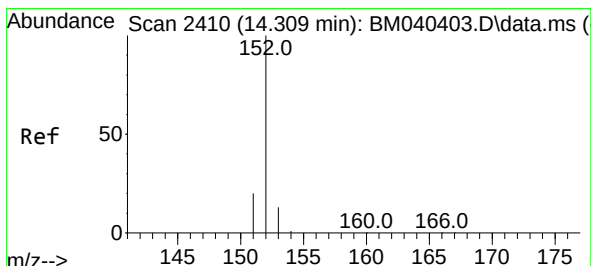
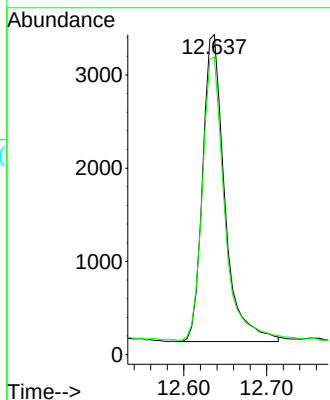
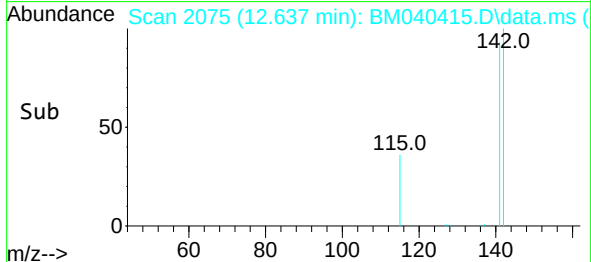
Instrument :
BNA_M
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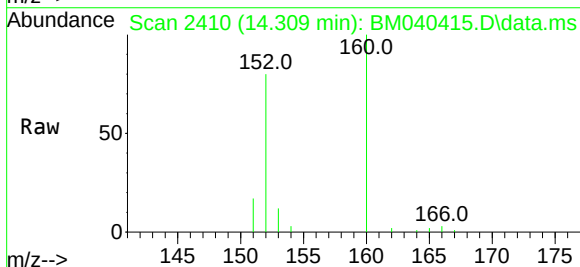
Tgt Ion:142 Resp: 608
Ion Ratio Lower Upper
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141 92.6 73.7 110.5

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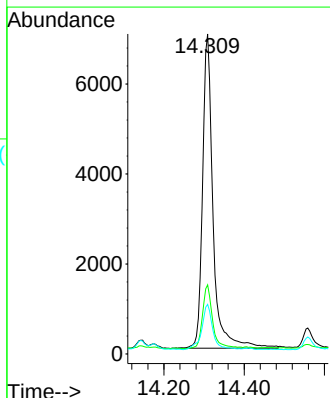
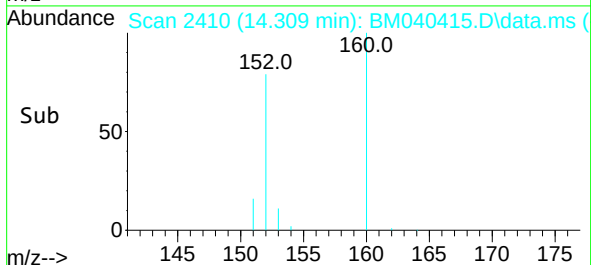
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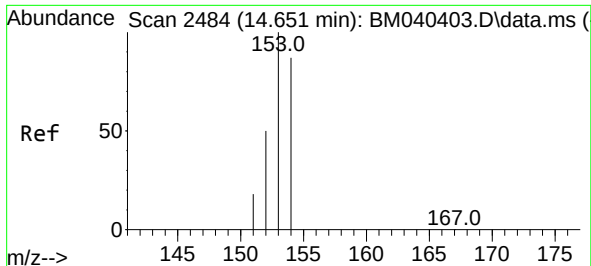


#10
Acenaphthylene
Concen: 0.250 ng/ul
RT: 14.309 min Scan# 2410
Delta R.T. -0.005 min
Lab File: BM040415.D
Acq: 26 Jun 2023 23:30



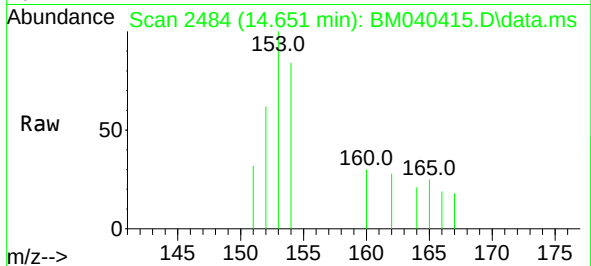
Tgt Ion:152 Resp: 12670
Ion Ratio Lower Upper
152 100
151 21.6 16.2 24.2
153 15.5 10.9 16.3





#11
Acenaphthene
Concen: 0.029 ng/ul
RT: 14.651 min Scan# 2484
Delta R.T. -0.005 min
Lab File: BM040415.D
Acq: 26 Jun 2023 23:30

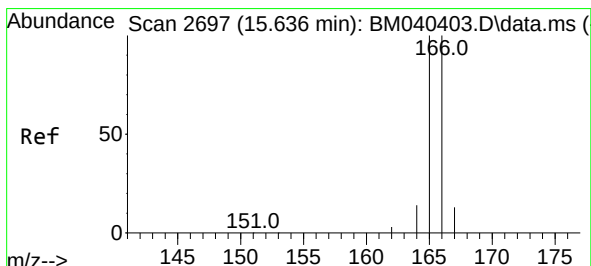
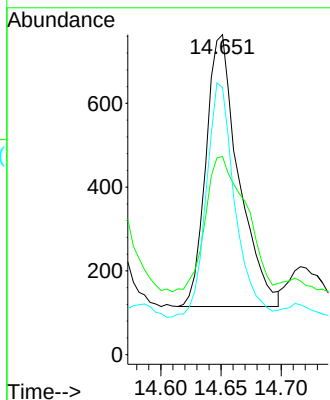
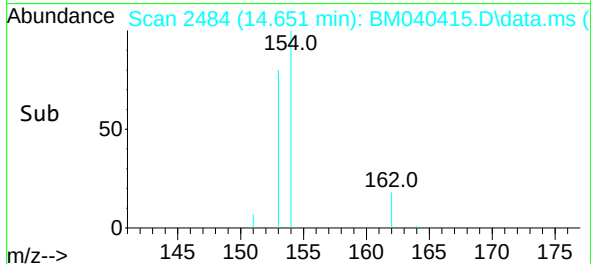
Instrument :
BNA_M
ClientSampleId :
DCFN4DL



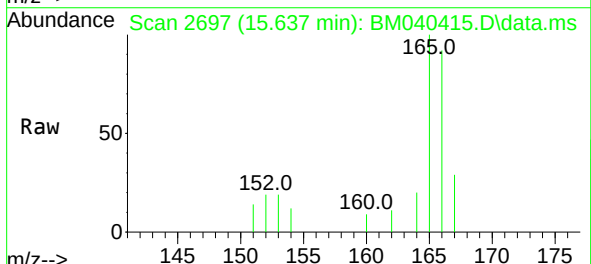
Tgt Ion:153 Resp: 122
Ion Ratio Lower Upper
153 100
152 61.9 41.0 61.4
154 83.5 70.8 106.2

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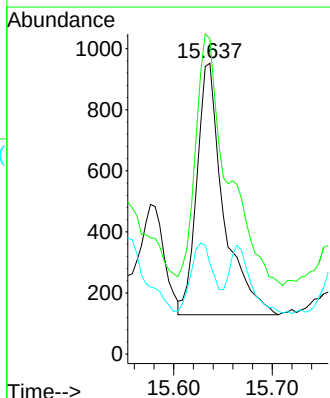
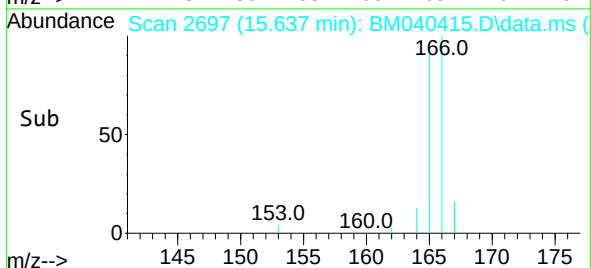
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023

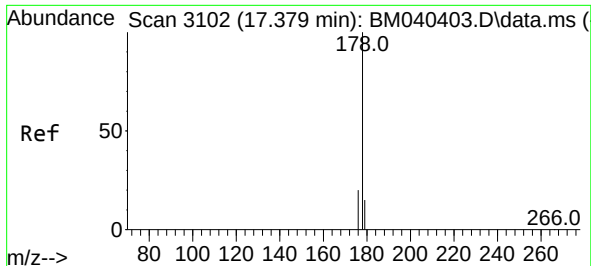


#12
Fluorene
Concen: 0.034 ng/ul
RT: 15.637 min Scan# 2697
Delta R.T. -0.005 min
Lab File: BM040415.D
Acq: 26 Jun 2023 23:30



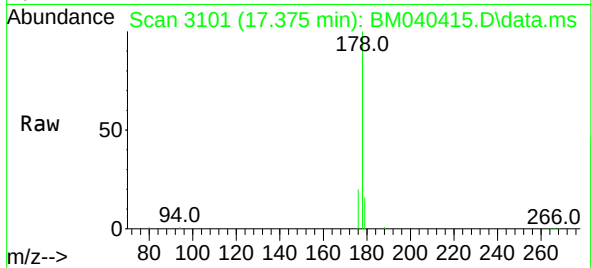
Tgt Ion:166 Resp: 1550
Ion Ratio Lower Upper
166 100
165 108.5 79.6 119.4
167 31.1 11.4 17.0#





#15
Phenanthrene
Concen: 0.760 ng/u1
RT: 17.375 min Scan# 3101
Delta R.T. -0.004 min
Lab File: BM040415.D
Acq: 26 Jun 2023 23:30

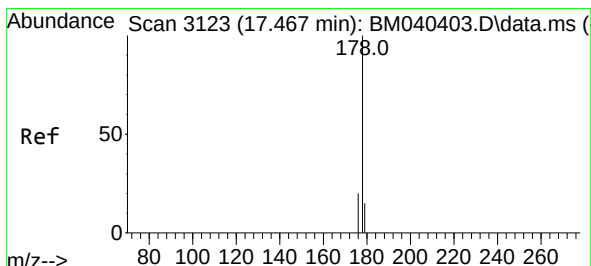
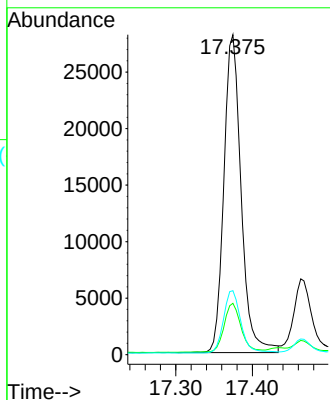
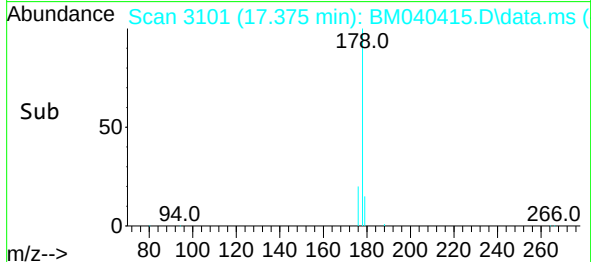
Instrument :
BNA_M
ClientSampleId :
DCFN4DL



Tgt Ion:178 Resp: 44040
Ion Ratio Lower Upper
178 100
179 16.0 12.8 19.2
176 20.0 16.4 24.6

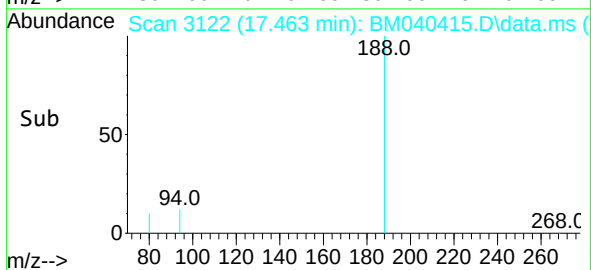
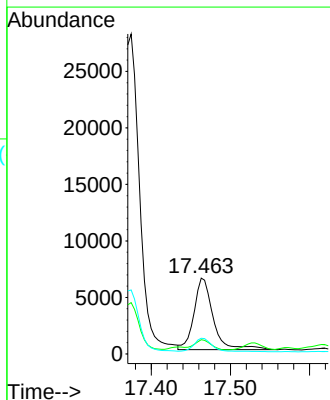
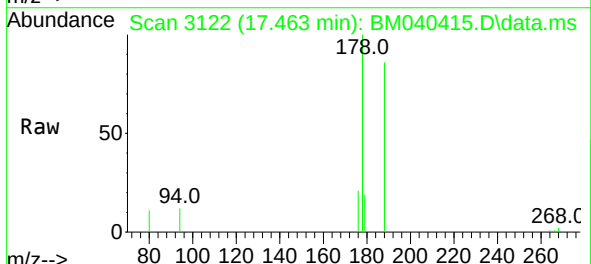
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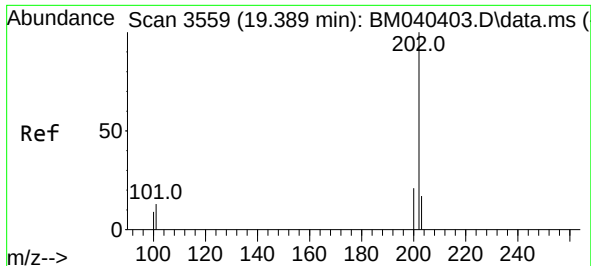
Reviewed By :Yogesh Patel 06/27/2023
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#16
Anthracene
Concen: 0.218 ng/u1
RT: 17.463 min Scan# 3122
Delta R.T. -0.008 min
Lab File: BM040415.D
Acq: 26 Jun 2023 23:30

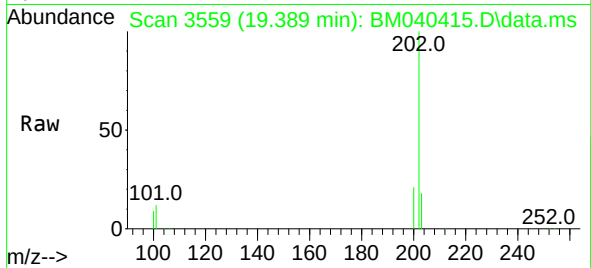
Tgt Ion:178 Resp: 10618
Ion Ratio Lower Upper
178 100
179 18.8 12.9 19.3
176 20.7 15.8 23.6





#19
Fluoranthene
Concen: 2.268 ng/u1
RT: 19.389 min Scan# 3559
Delta R.T. 0.000 min
Lab File: BM040415.D
Acq: 26 Jun 2023 23:30

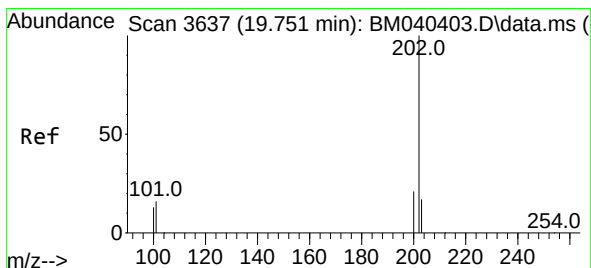
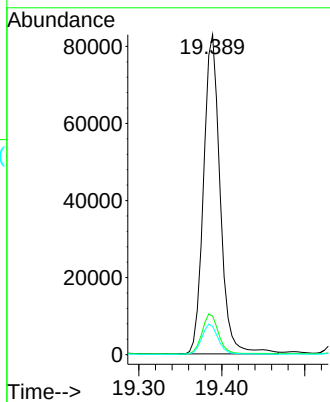
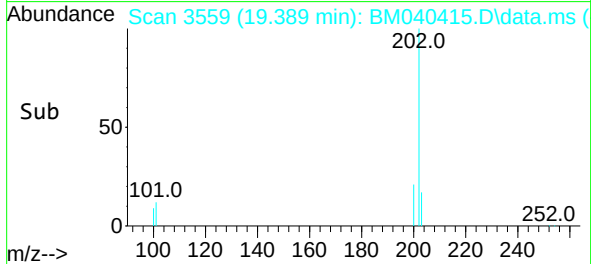
Instrument :
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DCFN4DL



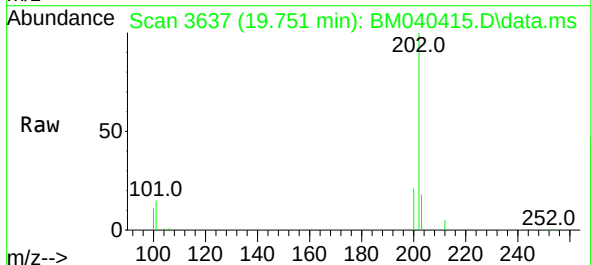
Tgt Ion:202 Resp: 115469
Ion Ratio Lower Upper
202 100
101 12.0 11.4 17.0
100 8.8 8.7 13.1

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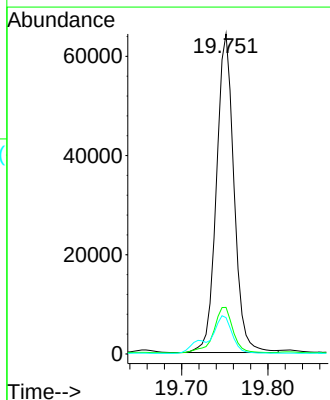
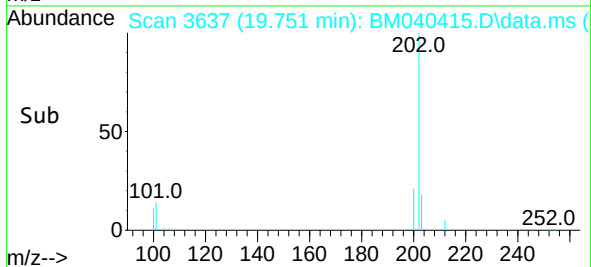
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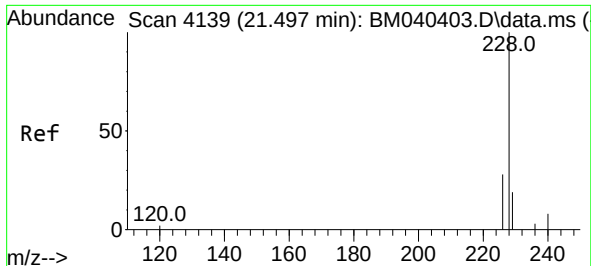


#20
Pyrene
Concen: 1.669 ng/u1
RT: 19.751 min Scan# 3637
Delta R.T. -0.005 min
Lab File: BM040415.D
Acq: 26 Jun 2023 23:30



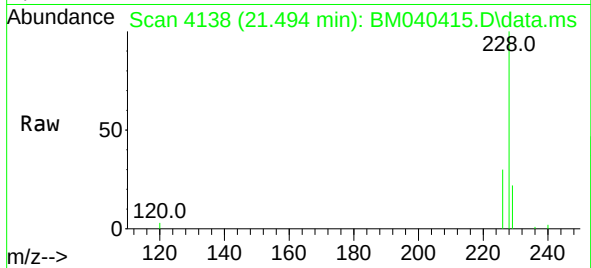
Tgt Ion:202 Resp: 91125
Ion Ratio Lower Upper
202 100
101 14.6 12.6 18.8
100 11.4 9.8 14.6





#21
Benzo(a)anthracene
Concen: 1.343 ng/ul
RT: 21.494 min Scan# 4138
Delta R.T. -0.006 min
Lab File: BM040415.D
Acq: 26 Jun 2023 23:30

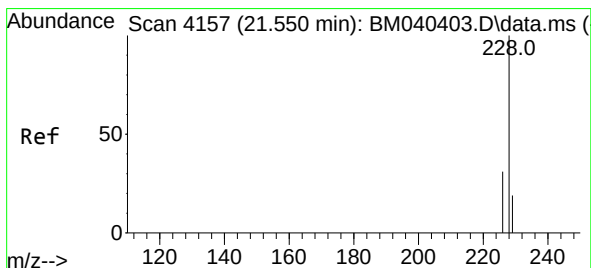
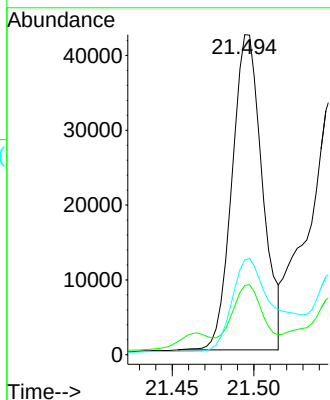
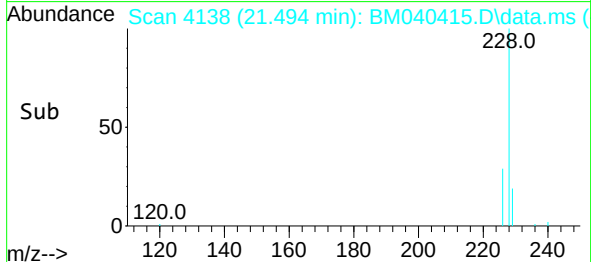
Instrument :
BNA_M
ClientSampleId :
DCFN4DL



Tgt Ion:228 Resp: 5447
Ion Ratio Lower Upper
228 100
229 21.6 16.0 24.0
226 29.6 22.3 33.5

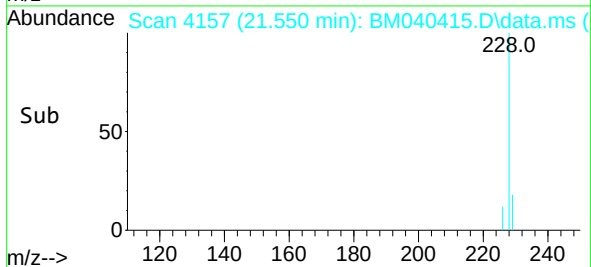
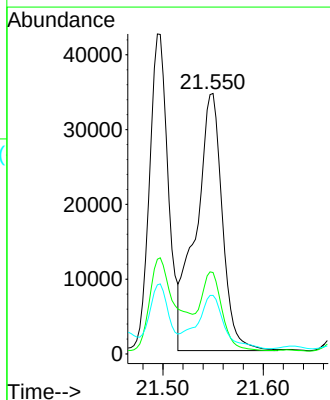
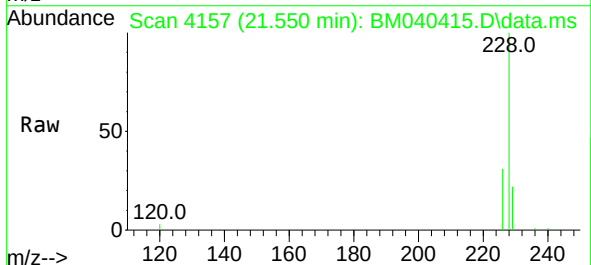
Manual Integrations
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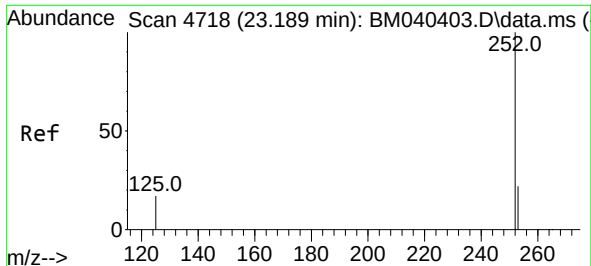
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#22
Chrysene
Concen: 1.363 ng/ul m
RT: 21.550 min Scan# 4157
Delta R.T. -0.003 min
Lab File: BM040415.D
Acq: 26 Jun 2023 23:30

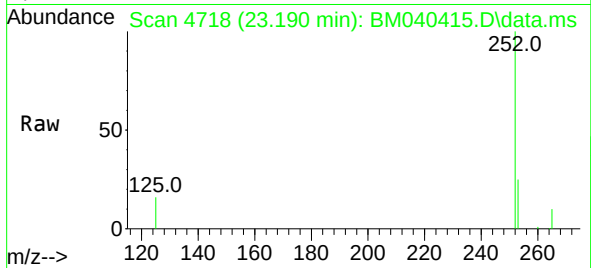
Tgt Ion:228 Resp: 63037
Ion Ratio Lower Upper
228 100
226 31.3 24.9 37.3
229 22.5 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 1.871 ng/ul
RT: 23.190 min Scan# 4718
Delta R.T. -0.003 min
Lab File: BM040415.D
Acq: 26 Jun 2023 23:30

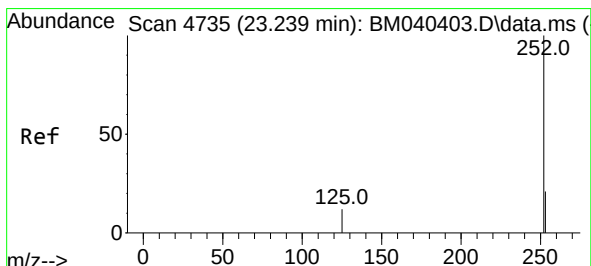
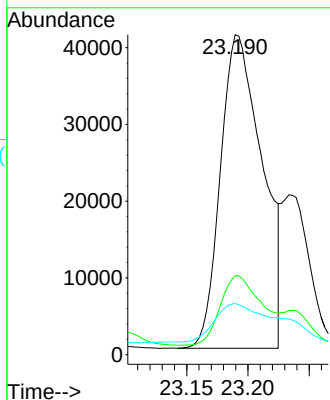
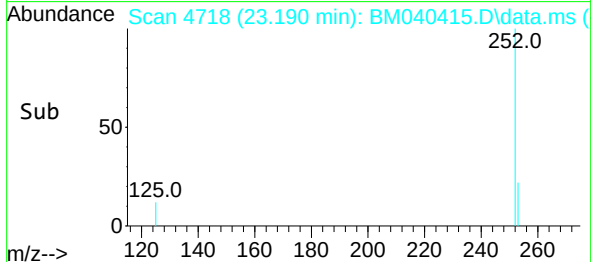
Instrument :
BNA_M
ClientSampleId :
DCFN4DL



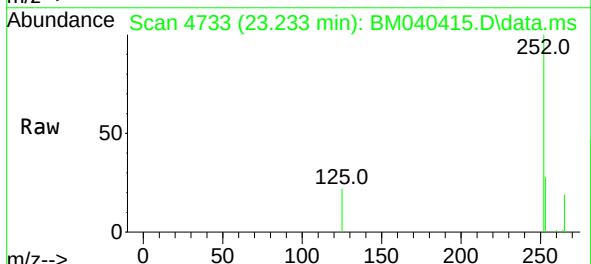
Tgt Ion:252 Resp: 9715
Ion Ratio Lower Upper
252 100
253 24.7 0.0 52.8
125 16.0 0.0 43.0

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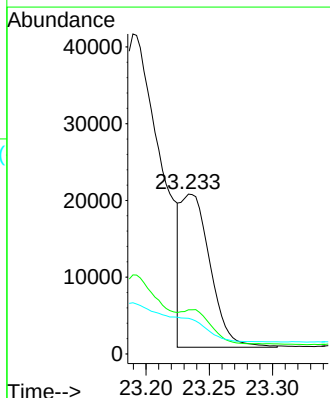
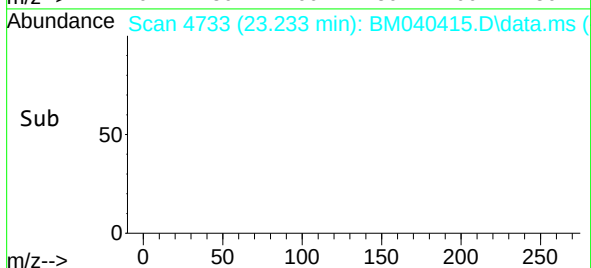
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023

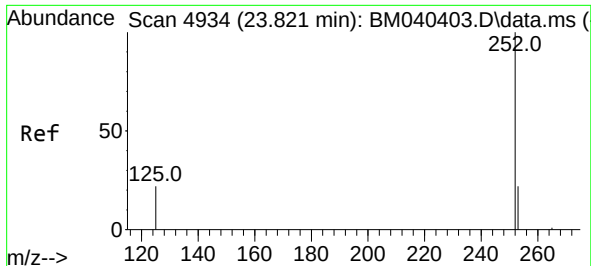


#25
Benzo(k)fluoranthene
Concen: 0.630 ng/ul m
RT: 23.233 min Scan# 4733
Delta R.T. -0.009 min
Lab File: BM040415.D
Acq: 26 Jun 2023 23:30



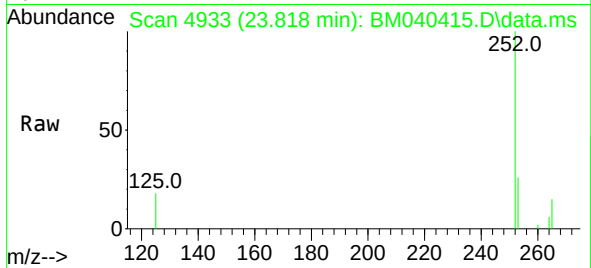
Tgt Ion:252 Resp: 32211
Ion Ratio Lower Upper
252 100
253 27.6 21.2 31.8
125 22.3 16.4 24.6





#26
Benzo(a)pyrene
Concen: 1.239 ng/ul
RT: 23.818 min Scan# 4933
Delta R.T. -0.006 min
Lab File: BM040415.D
Acq: 26 Jun 2023 23:30

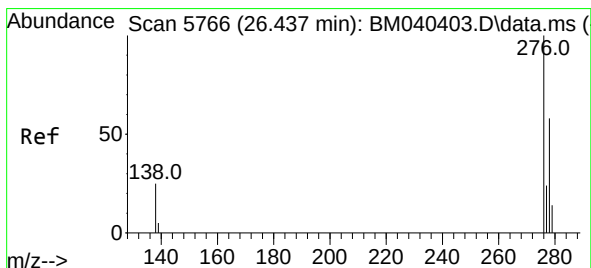
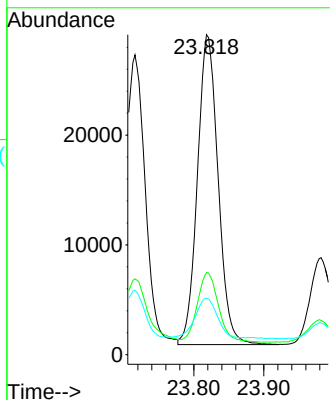
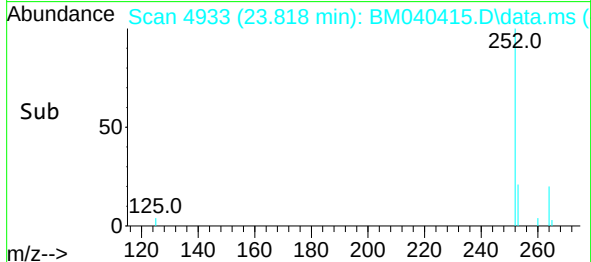
Instrument :
BNA_M
ClientSampleId :
DCFN4DL



Tgt Ion:252 Resp: 5793
Ion Ratio Lower Upper
252 100
253 25.7 22.9 34.3
125 17.7 21.0 31.4

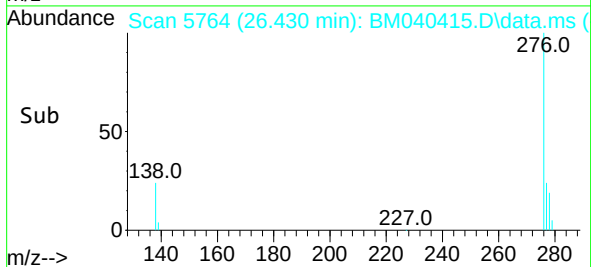
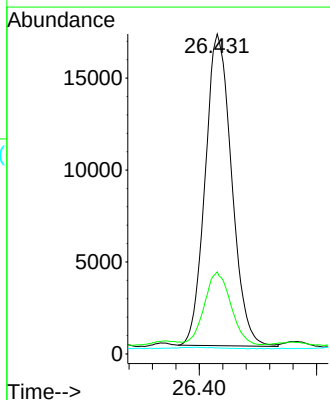
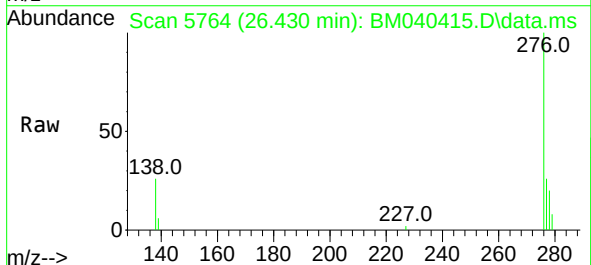
Manual Integrations
APPROVED

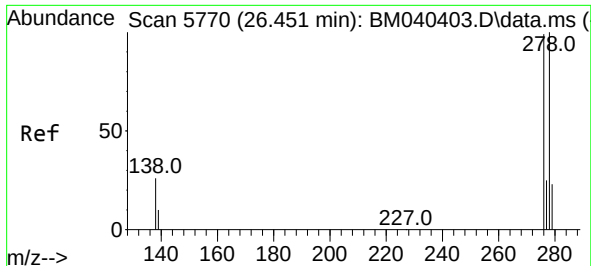
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.814 ng/ul
RT: 26.430 min Scan# 5764
Delta R.T. -0.003 min
Lab File: BM040415.D
Acq: 26 Jun 2023 23:30

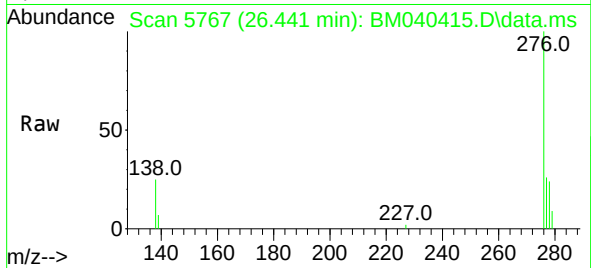
Tgt Ion:276 Resp: 53034
Ion Ratio Lower Upper
276 100
138 23.6 24.5 36.7#
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.260 ng/ul
RT: 26.441 min Scan# 51
Delta R.T. -0.013 min
Lab File: BM040415.D
Acq: 26 Jun 2023 23:30

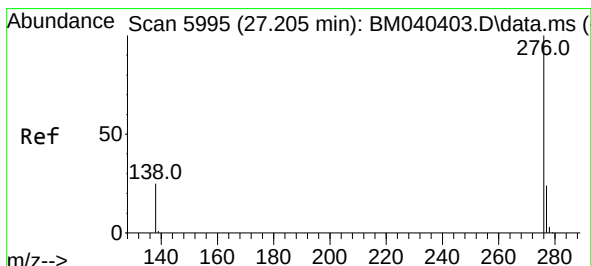
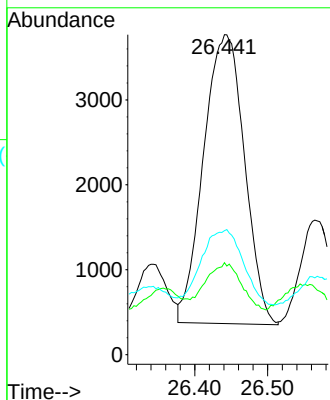
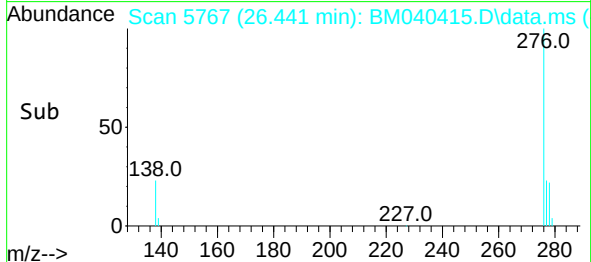
Instrument :
BNA_M
ClientSampleId :
DCFN4DL



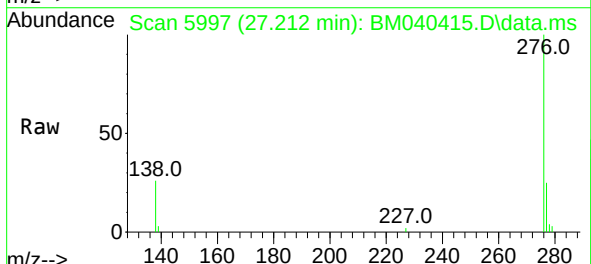
Tgt Ion:278 Resp: 13250
Ion Ratio Lower Upper
278 100
139 28.8 17.9 26.9
279 38.7 22.0 33.0

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 0.940 ng/ul
RT: 27.212 min Scan# 5997
Delta R.T. 0.007 min
Lab File: BM040415.D
Acq: 26 Jun 2023 23:30



Tgt Ion:276 Resp: 53664
Ion Ratio Lower Upper
276 100
138 25.7 23.0 34.6
277 25.2 20.3 30.5

