

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061423\
 Data File : BM040243.D
 Acq On : 14 Jun 2023 18:50
 Operator : MA/JU
 Sample : 03088-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFR1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/15/2023
 Supervised By :mohammad ahmed 06/16/2023

Quant Time: Jun 15 00:51:50 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061423.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 15 00:31:16 2023

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.974	152	11049	0.400	ng/ul	0.00
4) Naphthalene-d8	10.784	136	40464	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.609	164	22122	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.353	188	42423	0.400	ng/ul	0.00
17) Chrysene-d12	21.526	240	30050	0.400	ng/ul	0.00
23) Perylene-d12	23.953	264	25741	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.350	96	23844	1.748	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.373	152	6199	0.121	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	10886	0.145	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.833	128	10223	0.107	ng/ul	98
7) 2-Methylnaphthalene	12.444	142	9417	0.158	ng/ul	100
8) 1-Methylnaphthalene	12.664	142	7178	0.115	ng/ul	100
10) Acenaphthylene	14.332	152	2591	0.033	ng/ul#	70
11) Acenaphthene	14.674	153	3672	0.055	ng/ul	98
12) Fluorene	15.655	166	2949	0.040	ng/ul#	91
14) Pentachlorophenol	17.007	266	290	0.033	ng/ul	92
15) Phenanthrene	17.396	178	86337	0.774	ng/ul	99
16) Anthracene	17.484	178	12741	0.135	ng/ul	96
19) Fluoranthene	19.407	202	218021	2.130	ng/ul	99
20) Pyrene	19.770	202	128516	1.208	ng/ul	98
21) Benzo(a)anthracene	21.512	228	107414	1.211	ng/ul	99
22) Chrysene	21.564	228	132372	1.413	ng/ul	98
24) Benzo(b)fluoranthene	23.210	252	234186	2.468	ng/ul	96
25) Benzo(k)fluoranthene	23.257	252	77456m	0.867	ng/ul	
26) Benzo(a)pyrene	23.844	252	49842	0.640	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.467	276	70782	0.718	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.477	278	30602	0.387	ng/ul	93
29) Benzo(g,h,i)perylene	27.245	276	3395	0.041	ng/ul#	33

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

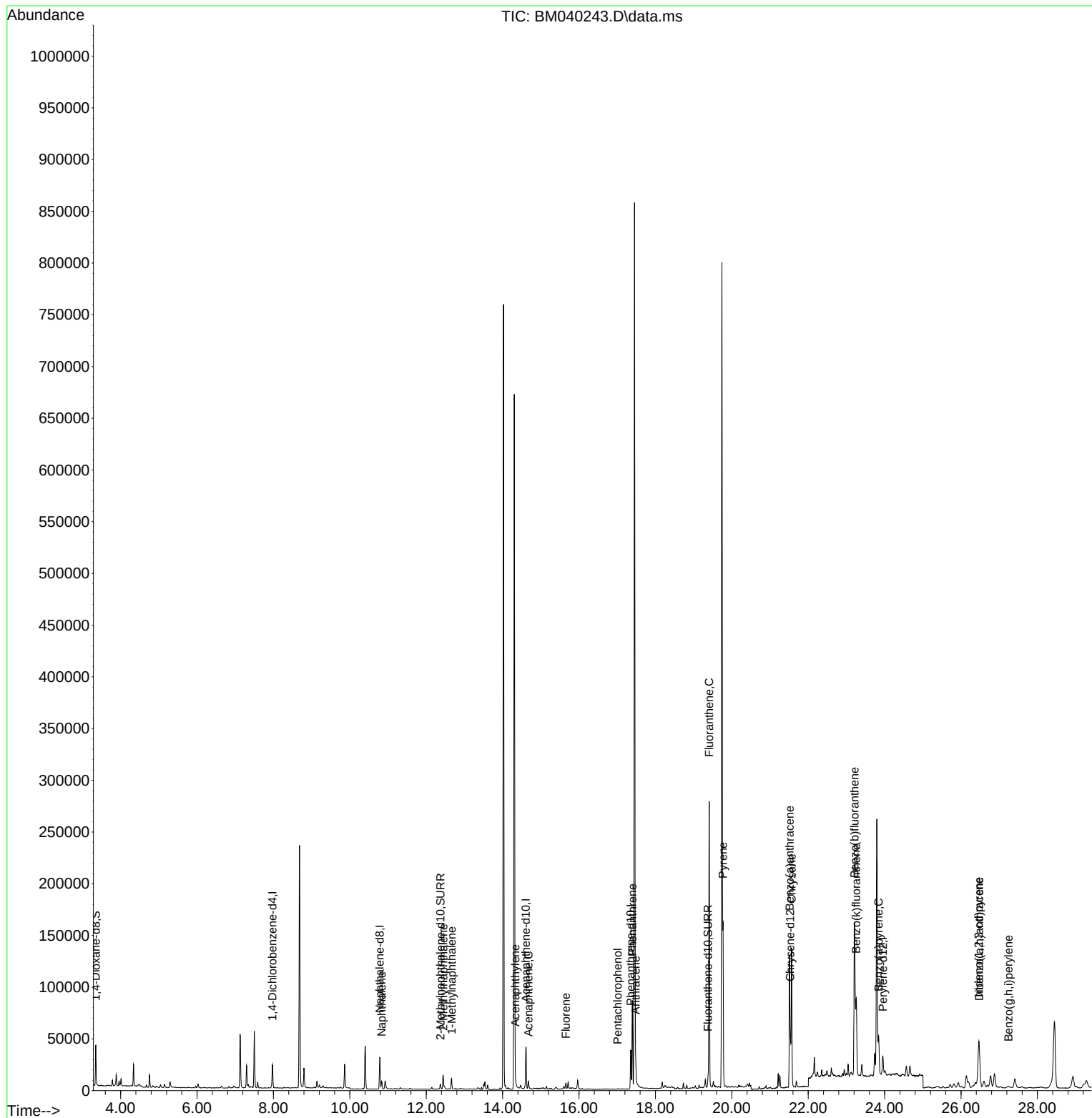
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061423\
Data File : BM040243.D
Acq On : 14 Jun 2023 18:50
Operator : MA/JU
Sample : 03088-05
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ALS Vial : 11 Sample Multiplier: 1

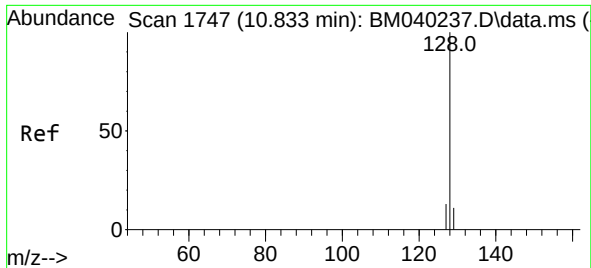
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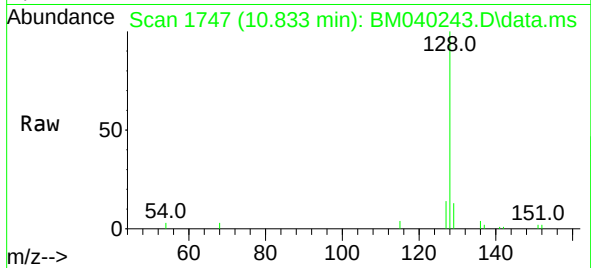
Quant Time: Jun 15 00:51:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 00:31:16 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.107 ng/ul
RT: 10.833 min Scan# 1747
Delta R.T. -0.000 min
Lab File: BM040243.D
Acq: 14 Jun 2023 18:50

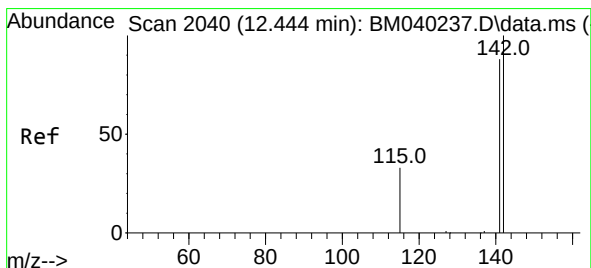
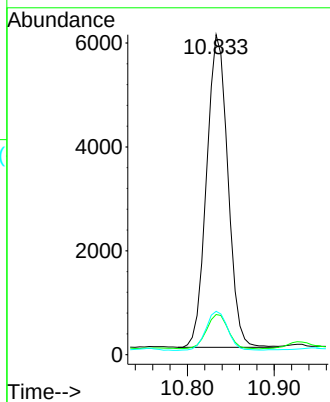
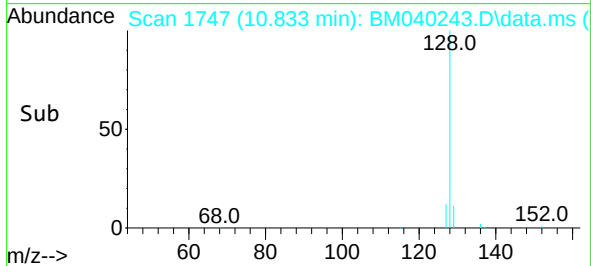
Instrument :
BNA_M
ClientSampleId :
DCFR1



Tgt Ion:128 Resp: 1022
Ion Ratio Lower Upper
128 100
129 12.6 9.1 13.7
127 13.6 10.4 15.6

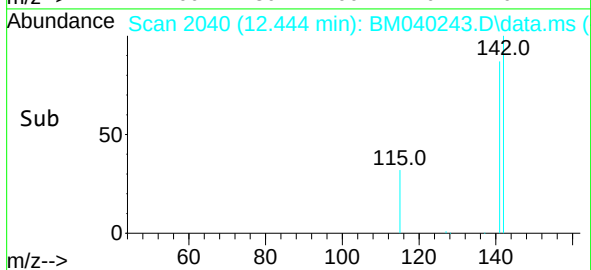
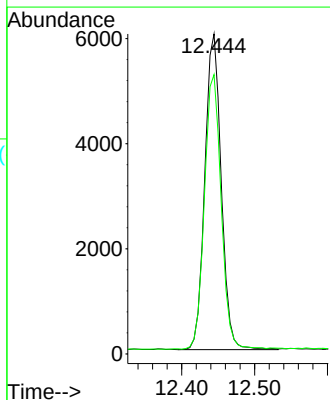
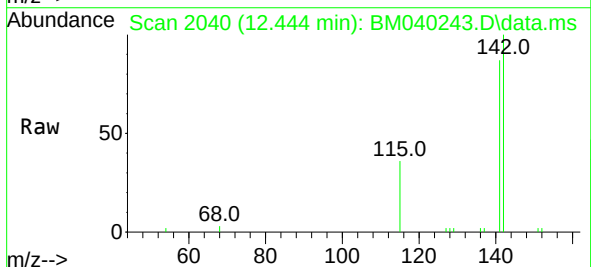
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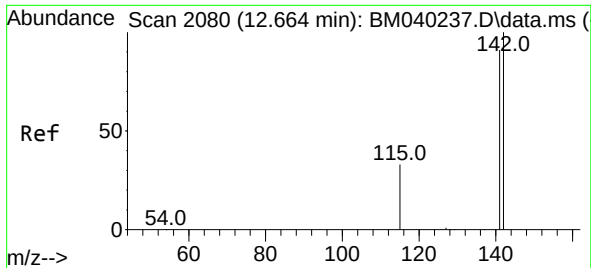
Reviewed By :Yogesh Patel 06/15/2023
Supervised By :mohammad ahmed 06/16/2023



#7
2-Methylnaphthalene
Concen: 0.158 ng/ul
RT: 12.444 min Scan# 2040
Delta R.T. -0.000 min
Lab File: BM040243.D
Acq: 14 Jun 2023 18:50

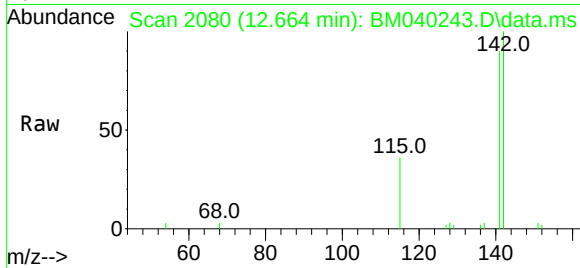
Tgt Ion:142 Resp: 9417
Ion Ratio Lower Upper
142 100
141 88.6 70.6 106.0





#8
1-Methylnaphthalene
Concen: 0.115 ng/ul
RT: 12.664 min Scan# 2080
Delta R.T. -0.000 min
Lab File: BM040243.D
Acq: 14 Jun 2023 18:50

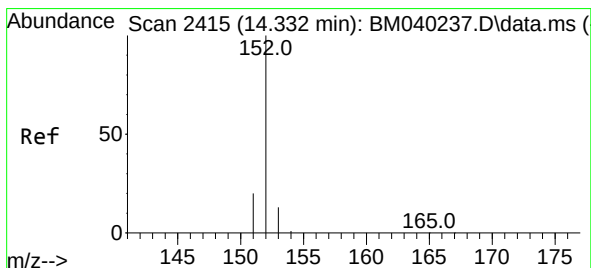
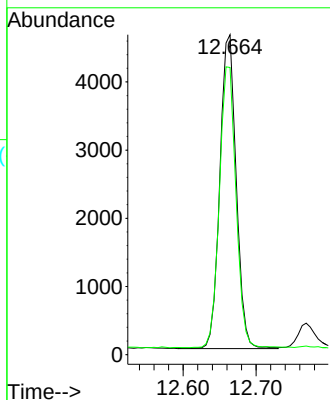
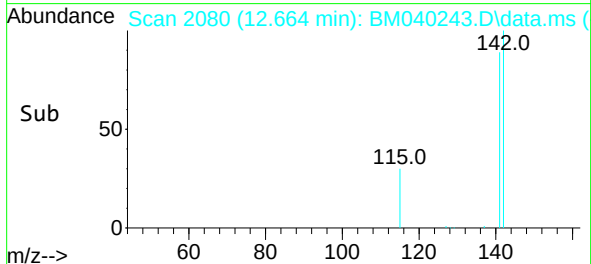
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:142 Resp: 7178
Ion Ratio Lower Upper
142 100
141 91.0 73.0 109.4

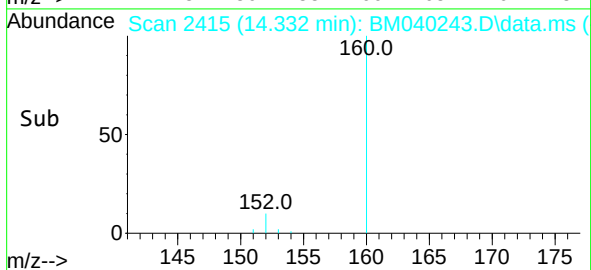
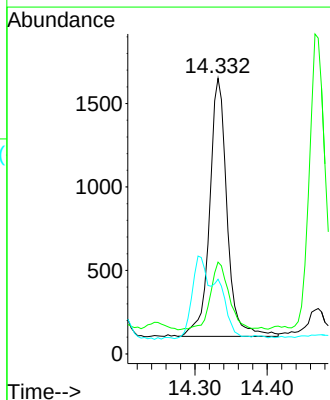
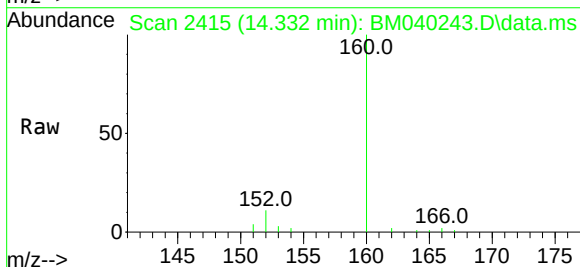
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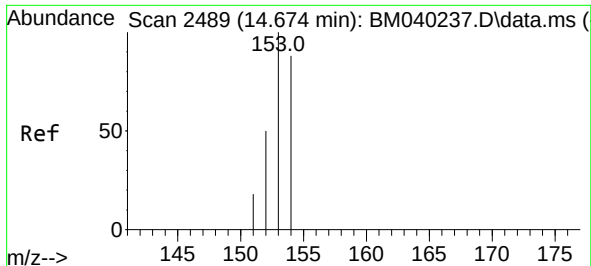
Reviewed By :Yogesh Patel 06/15/2023
Supervised By :mohammad ahmed 06/16/2023



#10
Acenaphthylene
Concen: 0.033 ng/ul
RT: 14.332 min Scan# 2415
Delta R.T. -0.000 min
Lab File: BM040243.D
Acq: 14 Jun 2023 18:50

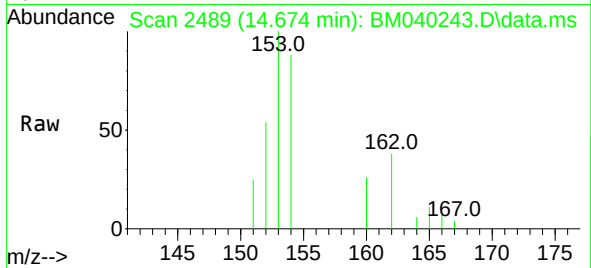
Tgt Ion:152 Resp: 2591
Ion Ratio Lower Upper
152 100
151 33.3 16.3 24.5#
153 27.1 10.7 16.1#





#11
Acenaphthene
Concen: 0.055 ng/u1
RT: 14.674 min Scan# 2489
Delta R.T. -0.000 min
Lab File: BM040243.D
Acq: 14 Jun 2023 18:50

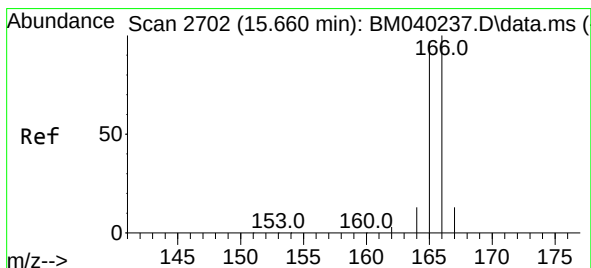
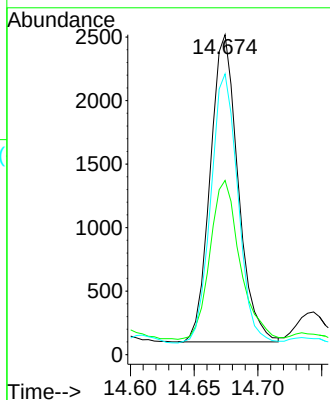
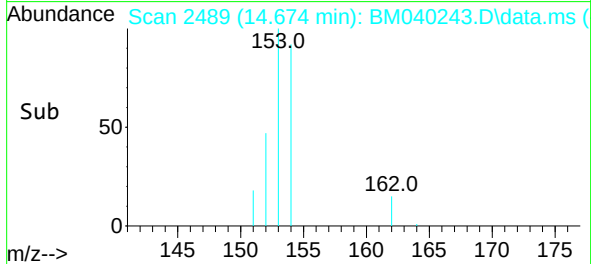
Instrument :
BNA_M
ClientSampleId :
DCFR1



Tgt Ion:153 Resp: 3672
Ion Ratio Lower Upper
153 100
152 54.5 40.3 60.5
154 87.8 70.5 105.7

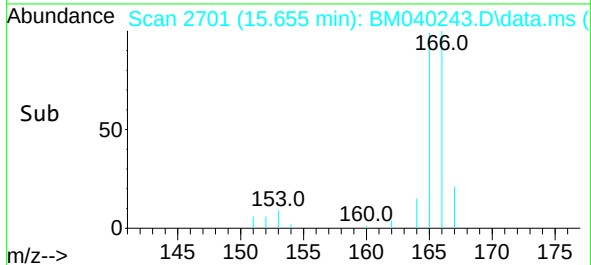
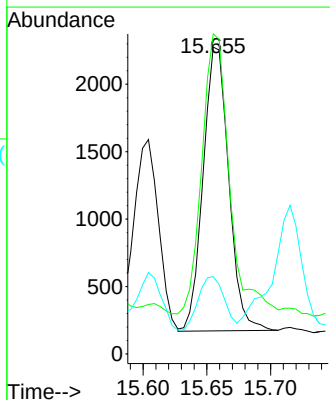
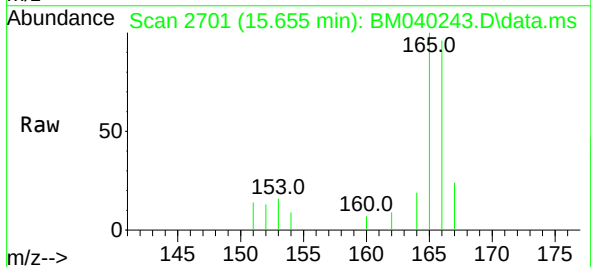
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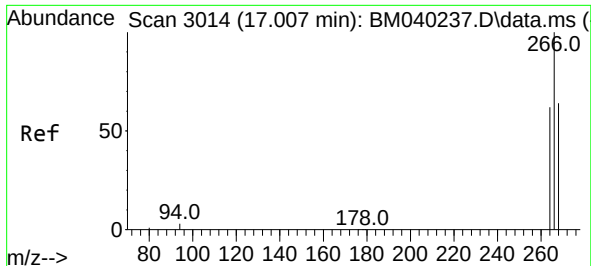
Reviewed By :Yogesh Patel 06/15/2023
Supervised By :mohammad ahmed 06/16/2023



#12
Fluorene
Concen: 0.040 ng/u1
RT: 15.655 min Scan# 2701
Delta R.T. -0.005 min
Lab File: BM040243.D
Acq: 14 Jun 2023 18:50

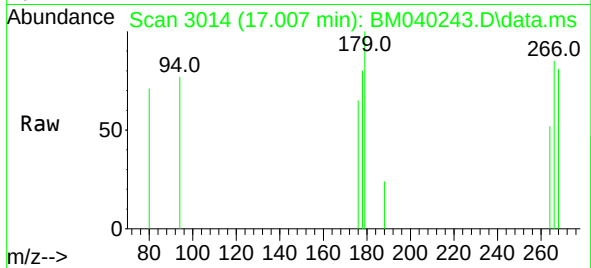
Tgt Ion:166 Resp: 2949
Ion Ratio Lower Upper
166 100
165 104.3 78.2 117.4
167 25.2 11.0 16.4#





#14
Pentachlorophenol
Concen: 0.033 ng/ul
RT: 17.007 min Scan# 3014
Delta R.T. -0.000 min
Lab File: BM040243.D
Acq: 14 Jun 2023 18:50

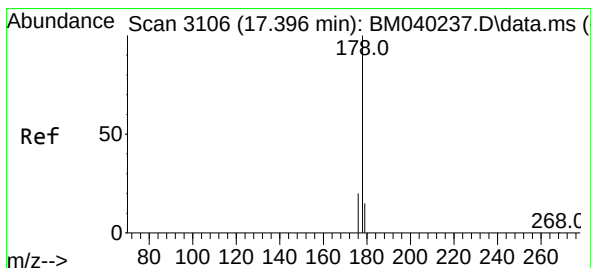
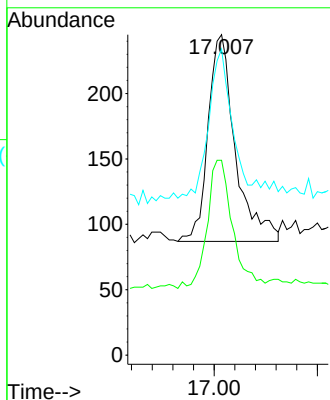
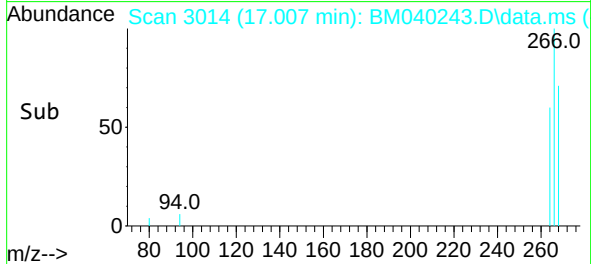
Instrument :
BNA_M
ClientSampleId :
DCFR1



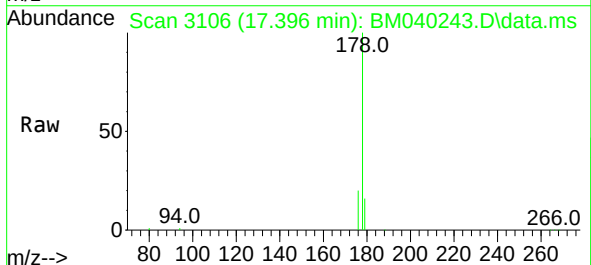
Tgt Ion:266 Resp: 290
Ion Ratio Lower Upper
266 100
264 57.9 49.4 74.0
268 73.1 51.3 76.9

Manual Integrations
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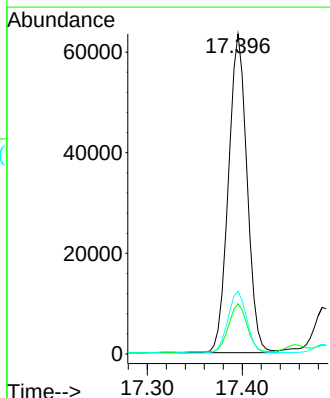
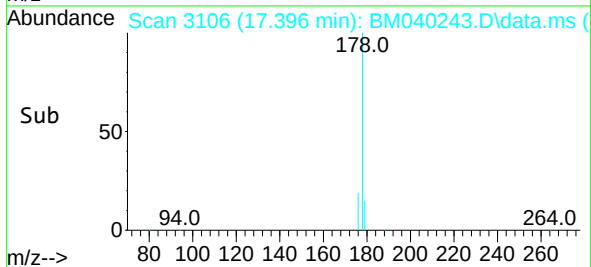
Reviewed By :Yogesh Patel 06/15/2023
Supervised By :mohammad ahmed 06/16/2023

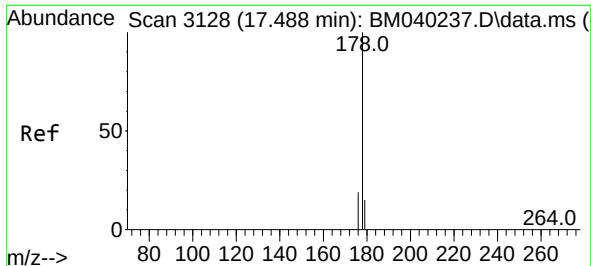


#15
Phenanthrene
Concen: 0.774 ng/ul
RT: 17.396 min Scan# 3106
Delta R.T. -0.000 min
Lab File: BM040243.D
Acq: 14 Jun 2023 18:50



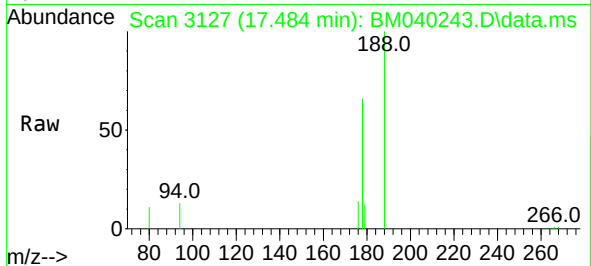
Tgt Ion:178 Resp: 86337
Ion Ratio Lower Upper
178 100
179 15.7 12.6 19.0
176 19.6 16.1 24.1





#16
 Anthracene
 Concen: 0.135 ng/ul
 RT: 17.484 min Scan# 3127
 Delta R.T. -0.004 min
 Lab File: BM040243.D
 Acq: 14 Jun 2023 18:50

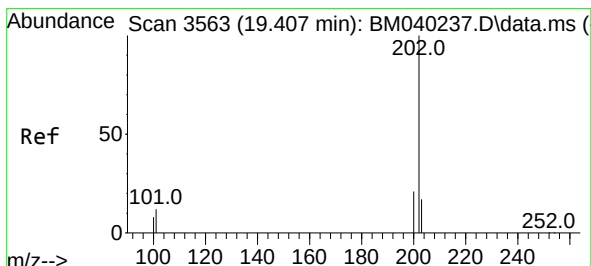
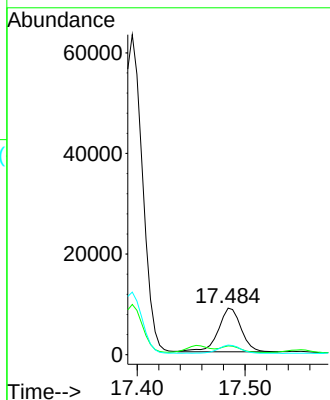
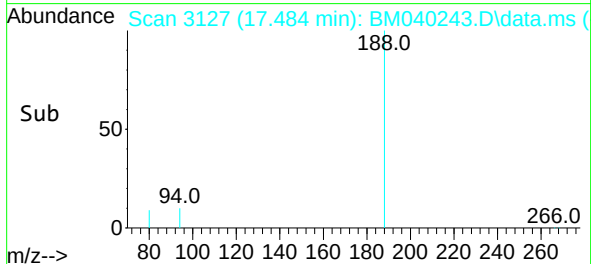
Instrument :
 BNA_M
 ClientSampleId :
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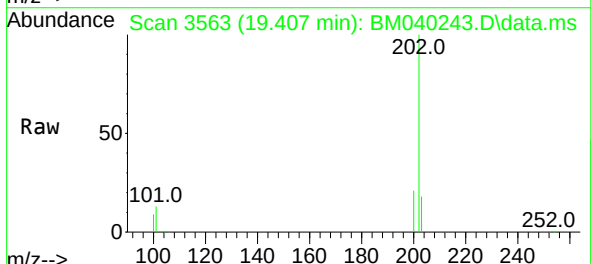
Tgt Ion:178 Resp: 1274
 Ion Ratio Lower Upper
 178 100
 179 18.8 13.0 19.4
 176 20.6 15.5 23.3

Manual Integrations
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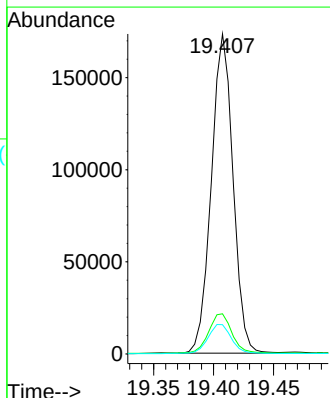
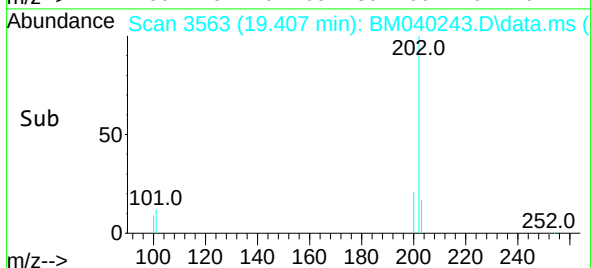
Reviewed By :Yogesh Patel 06/15/2023
 Supervised By :mohammad ahmed 06/16/2023

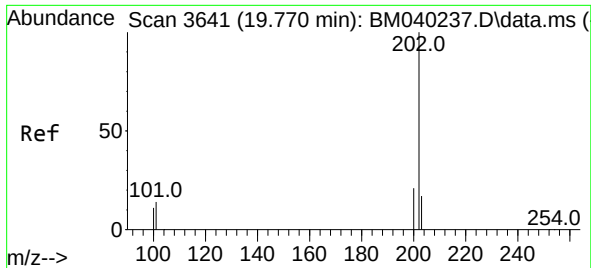


#19
 Fluoranthene
 Concen: 2.130 ng/ul
 RT: 19.407 min Scan# 3563
 Delta R.T. -0.000 min
 Lab File: BM040243.D
 Acq: 14 Jun 2023 18:50



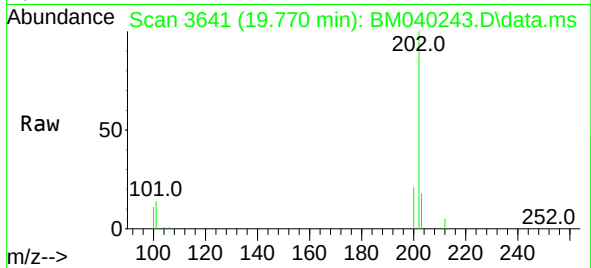
Tgt Ion:202 Resp: 218021
 Ion Ratio Lower Upper
 202 100
 101 12.5 10.2 15.4
 100 9.1 7.6 11.4





#20
Pyrene
Concen: 1.208 ng/ul
RT: 19.770 min Scan# 30
Delta R.T. -0.000 min
Lab File: BM040243.D
Acq: 14 Jun 2023 18:50

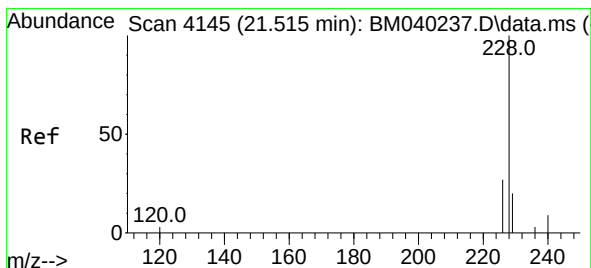
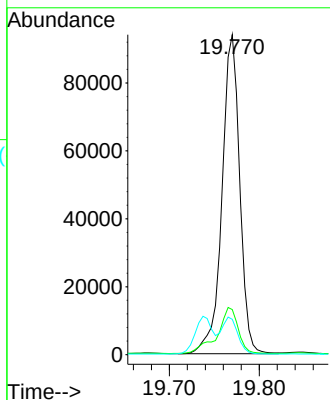
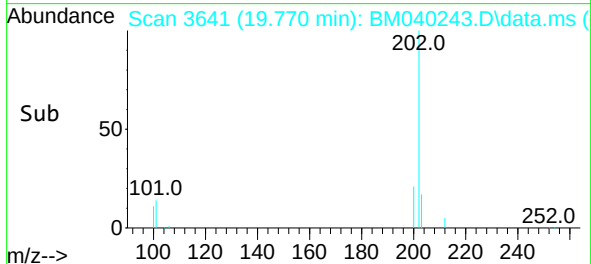
Instrument :
BNA_M
ClientSampleId :
DCFR1



Tgt Ion:202 Resp: 128510
Ion Ratio Lower Upper
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101 14.1 11.8 17.8
100 11.1 9.3 13.9

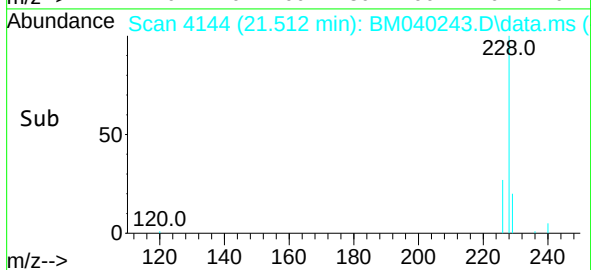
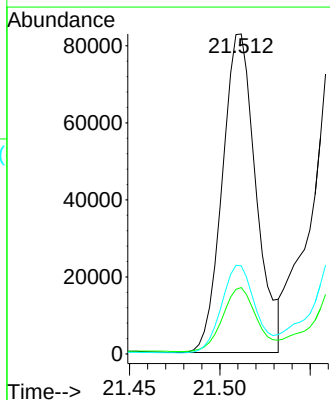
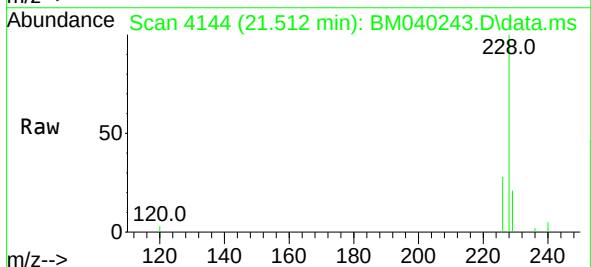
Manual Integrations
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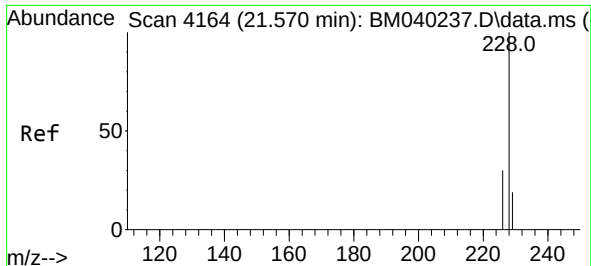
Reviewed By :Yogesh Patel 06/15/2023
Supervised By :mohammad ahmed 06/16/2023



#21
Benzo(a)anthracene
Concen: 1.211 ng/ul
RT: 21.512 min Scan# 4144
Delta R.T. -0.003 min
Lab File: BM040243.D
Acq: 14 Jun 2023 18:50

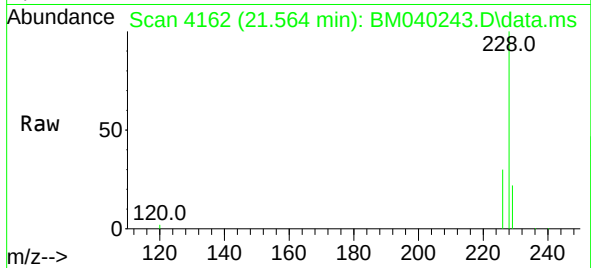
Tgt Ion:228 Resp: 107414
Ion Ratio Lower Upper
228 100
229 20.8 15.8 23.8
226 27.5 22.0 33.0





#22
Chrysene
Concen: 1.413 ng/ul
RT: 21.564 min Scan# 4164
Delta R.T. -0.006 min
Lab File: BM040243.D
Acq: 14 Jun 2023 18:50

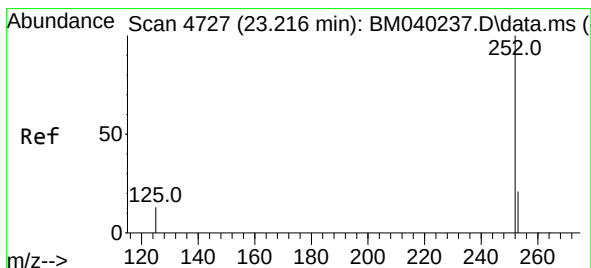
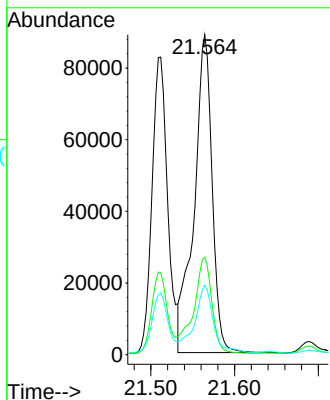
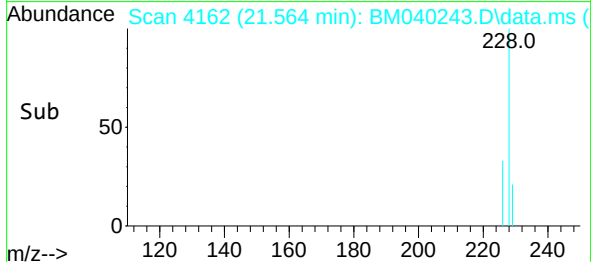
Instrument :
BNA_M
ClientSampleId :
DCFR1



Tgt Ion:228 Resp: 132372
Ion Ratio Lower Upper
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226 30.5 24.3 36.5
229 21.7 15.7 23.5

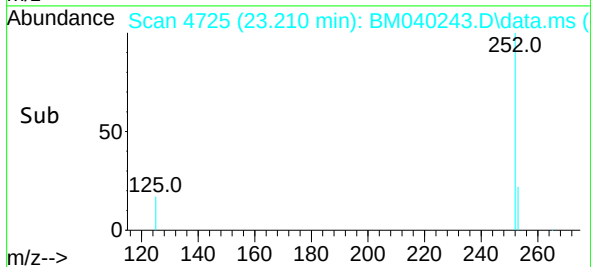
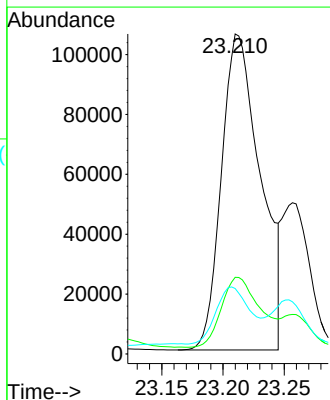
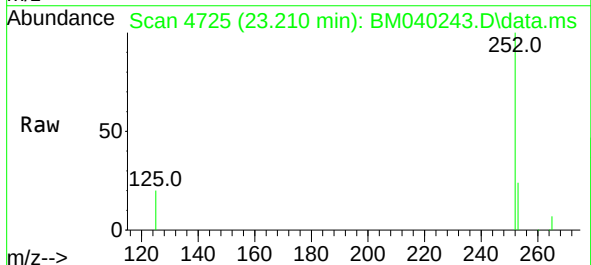
Manual Integrations
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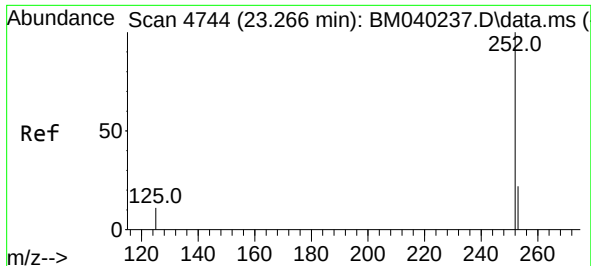
Reviewed By :Yogesh Patel 06/15/2023
Supervised By :mohammad ahmed 06/16/2023



#24
Benzo(b)fluoranthene
Concen: 2.468 ng/ul
RT: 23.210 min Scan# 4725
Delta R.T. -0.006 min
Lab File: BM040243.D
Acq: 14 Jun 2023 18:50

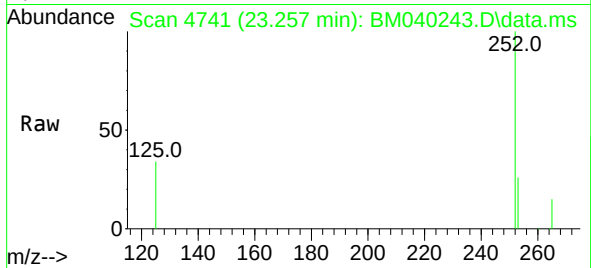
Tgt Ion:252 Resp: 234186
Ion Ratio Lower Upper
252 100
253 24.0 0.0 52.4
125 20.4 0.0 38.4





#25
Benzo(k)fluoranthene
Concen: 0.867 ng/ul m
RT: 23.257 min Scan# 4741
Delta R.T. -0.009 min
Lab File: BM040243.D
Acq: 14 Jun 2023 18:50

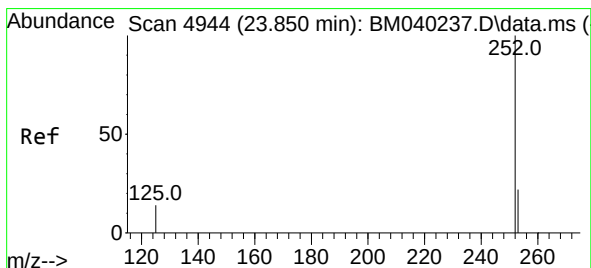
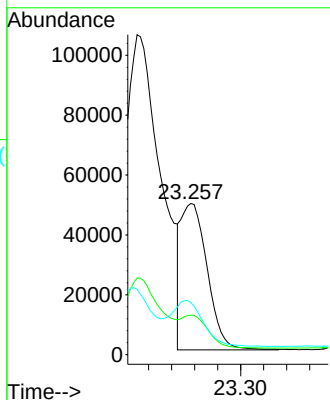
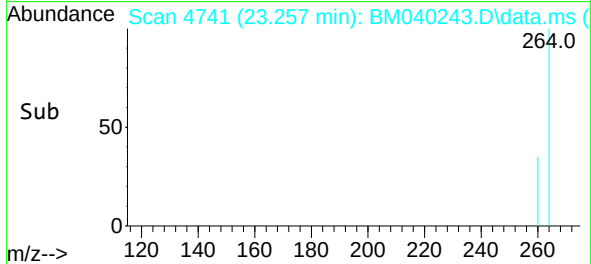
Instrument :
BNA_M
ClientSampleId :
DCFR1



Tgt Ion:252 Resp: 77450
Ion Ratio Lower Upper
252 100
253 26.2 21.5 32.3
125 34.5 14.7 22.1

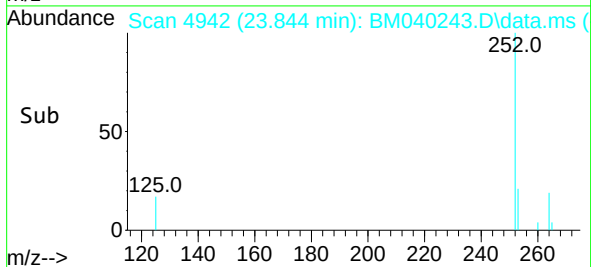
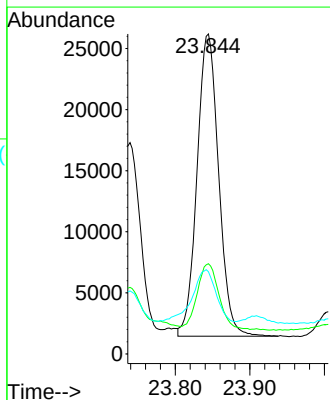
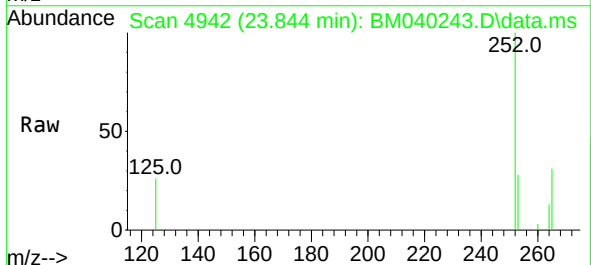
Manual Integrations
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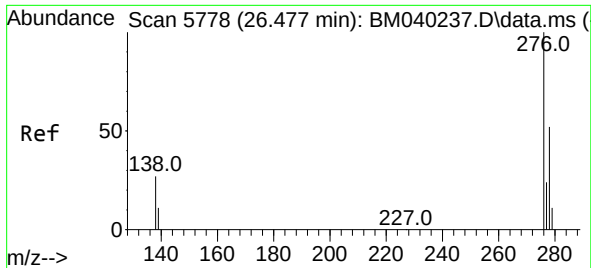
Reviewed By :Yogesh Patel 06/15/2023
Supervised By :mohammad ahmed 06/16/2023



#26
Benzo(a)pyrene
Concen: 0.640 ng/ul
RT: 23.844 min Scan# 4942
Delta R.T. -0.006 min
Lab File: BM040243.D
Acq: 14 Jun 2023 18:50

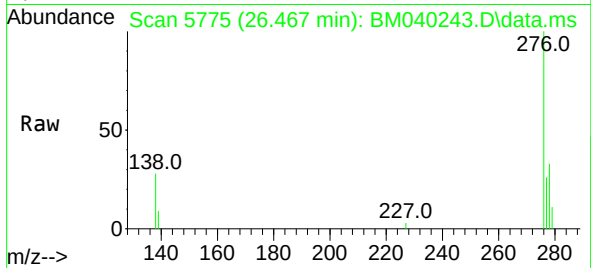
Tgt Ion:252 Resp: 49842
Ion Ratio Lower Upper
252 100
253 28.2 23.4 35.0
125 25.7 19.7 29.5





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.718 ng/ul
RT: 26.467 min Scan# 5775
Delta R.T. -0.010 min
Lab File: BM040243.D
Acq: 14 Jun 2023 18:50

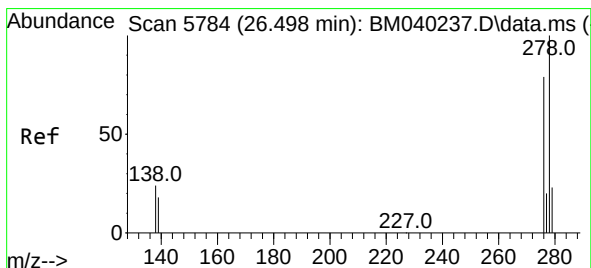
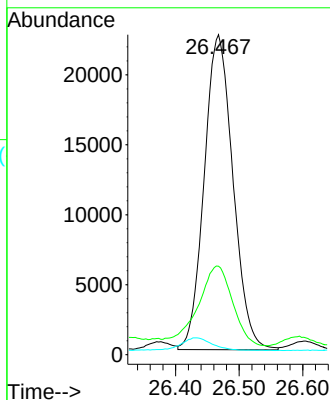
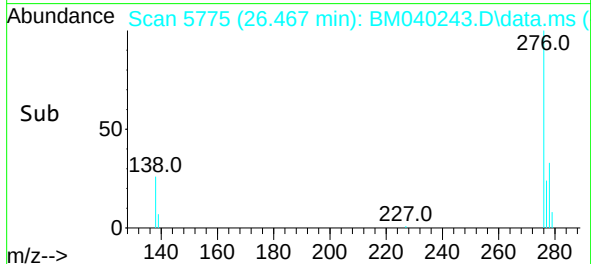
Instrument :
BNA_M
ClientSampleId :
DCFR1



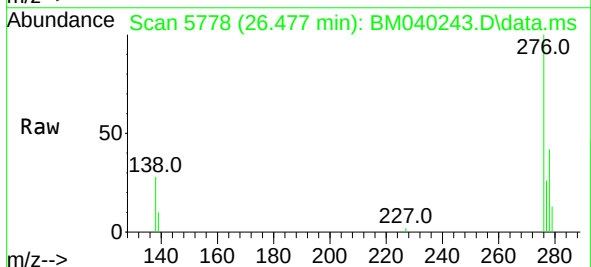
Tgt Ion:276 Resp: 7078
Ion Ratio Lower Upper
276 100
138 30.2 23.3 34.9
227 0.0 0.1 0.1

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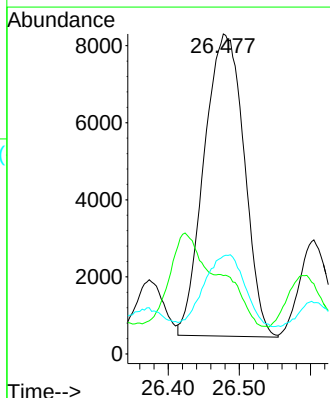
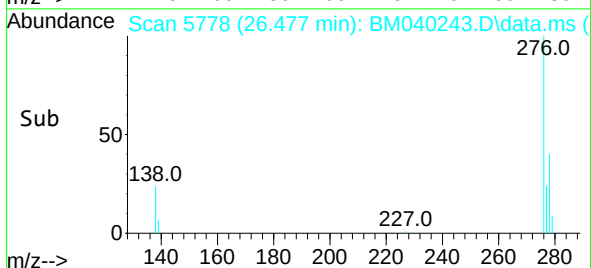
Reviewed By :Yogesh Patel 06/15/2023
Supervised By :mohammad ahmed 06/16/2023

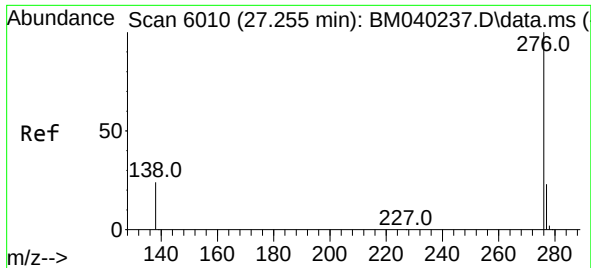


#28
Dibenzo(a,h)anthracene
Concen: 0.387 ng/ul
RT: 26.477 min Scan# 5778
Delta R.T. -0.020 min
Lab File: BM040243.D
Acq: 14 Jun 2023 18:50



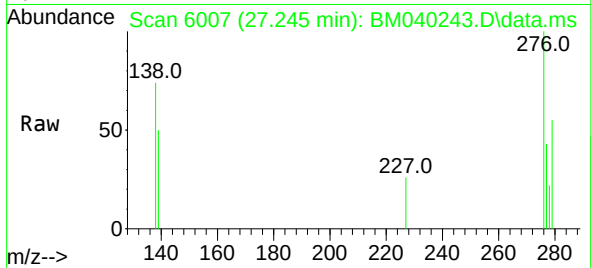
Tgt Ion:278 Resp: 30602
Ion Ratio Lower Upper
278 100
139 24.5 16.4 24.6
279 30.6 21.8 32.8





#29
Benzo(g,h,i)perylene
Concen: 0.041 ng/ul
RT: 27.245 min Scan# 6010
Delta R.T. -0.010 min
Lab File: BM040243.D
Acq: 14 Jun 2023 18:50

Instrument :
BNA_M
ClientSampleId :
DCFR1



Tgt Ion: 276 Resp: 339
Ion Ratio Lower Upper
276 100
138 74.4 21.0 31.4
277 43.1 19.6 29.4

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 06/15/2023
Supervised By : mohammad ahmed 06/16/2023

