

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
 Data File : BM040507.D
 Acq On : 01 Jul 2023 17:23
 Operator : MA/JU
 Sample : 03161-18DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFX4DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/02/2023
 Supervised By :Sohil Jodhani 07/02/2023

Quant Time: Jul 01 23:48:17 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 : Sat Jul 01 03:00:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.932	152	6192	0.400	ng/ul	0.00
4) Naphthalene-d8	10.740	136	23440	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.572	164	11773	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.324	188	25236	0.400	ng/ul	0.00
17) Chrysene-d12	21.503	240	18245	0.400	ng/ul	0.00
23) Perylene-d12	23.917	264	20678	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.321	96	4794	0.493	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.329	152	1372	0.042	ng/ul	0.00
18) Fluoranthene-d10	19.347	212	2661	0.045	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.789	128	14096	0.218	ng/ul	98
7) 2-Methylnaphthalene	12.406	142	9131	0.240	ng/ul	99
8) 1-Methylnaphthalene	12.620	142	6057	0.160	ng/ul	98
10) Acenaphthylene	14.295	152	44170	0.840	ng/ul	99
11) Acenaphthene	14.637	153	8839	0.199	ng/ul	98
12) Fluorene	15.623	166	12786	0.270	ng/ul	98
15) Phenanthrene	17.362	178	270042	3.445	ng/ul	99
16) Anthracene	17.455	178	57923	0.879	ng/ul	100
19) Fluoranthene	19.380	202	631201	8.144	ng/ul	94
20) Pyrene	19.742	202	484628	5.833	ng/ul	97
21) Benzo(a)anthracene	21.488	228	273973	4.439	ng/ul	99
22) Chrysene	21.541	228	261156	3.710	ng/ul	97
24) Benzo(b)fluoranthene	23.181	252	424521	5.305	ng/ul	88
25) Benzo(k)fluoranthene	23.222	252	121908m	1.546	ng/ul	
26) Benzo(a)pyrene	23.806	252	242050	3.358	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	26.417	276	181364	1.807	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.424	278	46689	0.594	ng/ul	96
29) Benzo(g,h,i)perylene	27.192	276	151844	1.726	ng/ul	95

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

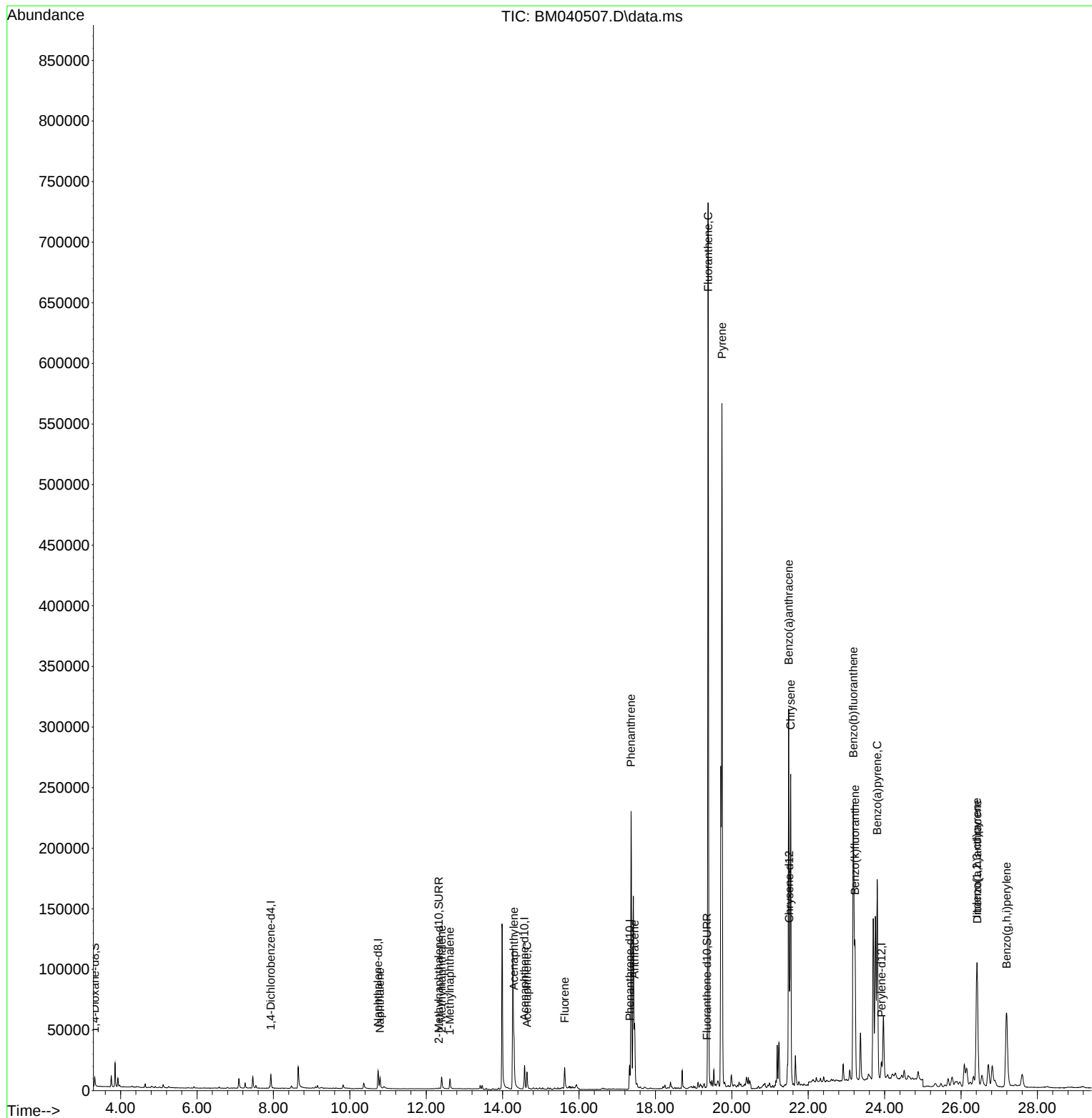
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
Data File : BM040507.D
Acq On : 01 Jul 2023 17:23
Operator : MA/JU
Sample : 03161-18DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

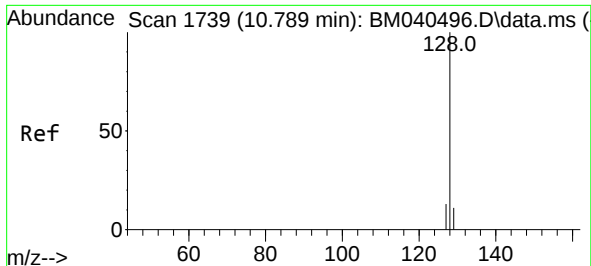
Instrument :
BNA_M
ClientSampleId :
DCFX4DL

Quant Time: Jul 01 23:48:17 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 : Sat Jul 01 03:00:05 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

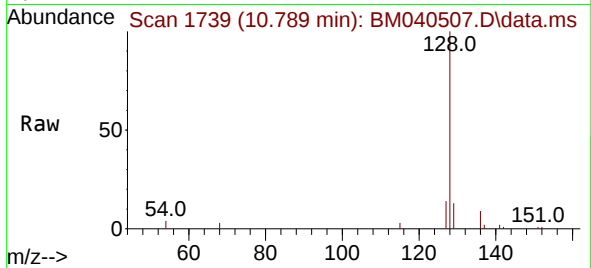
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023





#5
Naphthalene
Concen: 0.218 ng/ul
RT: 10.789 min Scan# 1739
Delta R.T. -0.005 min
Lab File: BM040507.D
Acq: 01 Jul 2023 17:23

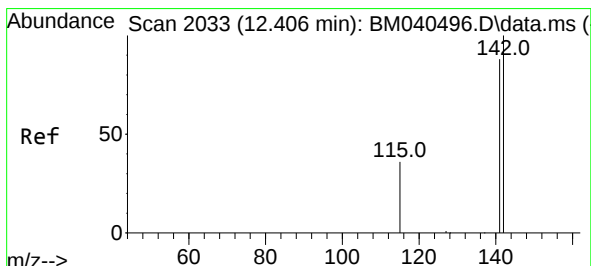
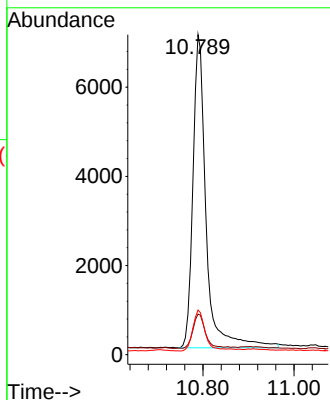
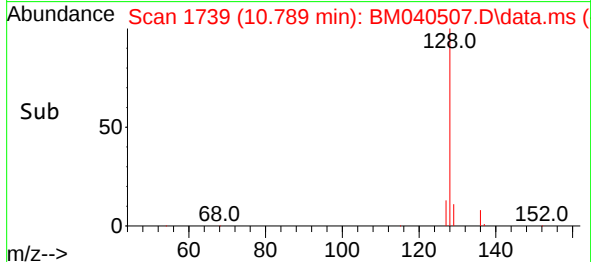
Instrument :
BNA_M
ClientSampleId :
DCFX4DL



Tgt Ion:128 Resp: 14090
Ion Ratio Lower Upper
128 100
129 12.7 9.2 13.8
127 13.9 10.6 15.8

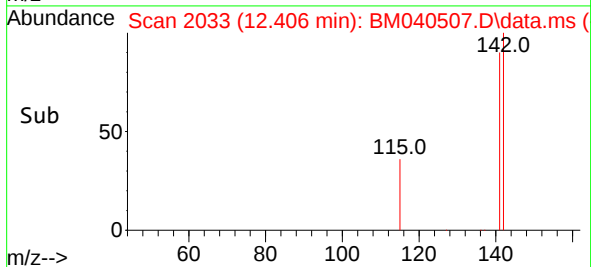
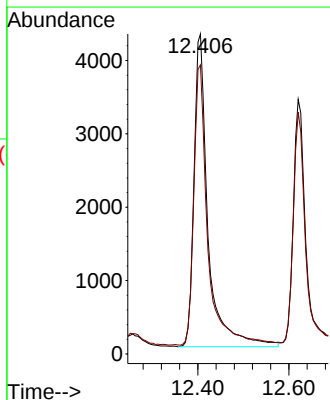
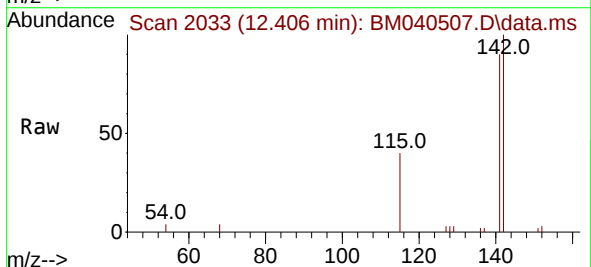
Manual Integrations
APPROVED

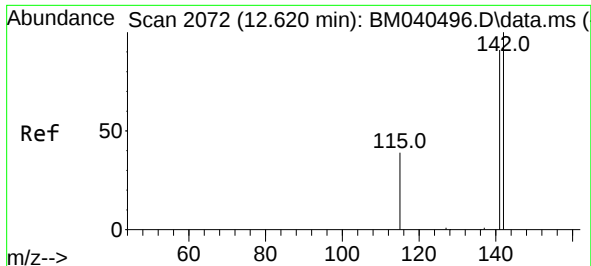
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023



#7
2-Methylnaphthalene
Concen: 0.240 ng/ul
RT: 12.406 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BM040507.D
Acq: 01 Jul 2023 17:23

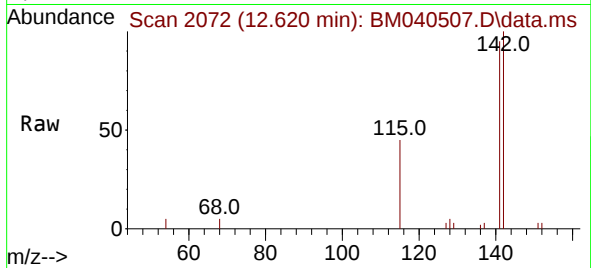
Tgt Ion:142 Resp: 9131
Ion Ratio Lower Upper
142 100
141 88.9 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.160 ng/ul
RT: 12.620 min Scan# 2072
Delta R.T. -0.005 min
Lab File: BM040507.D
Acq: 01 Jul 2023 17:23

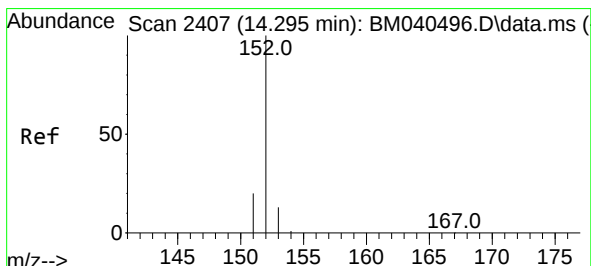
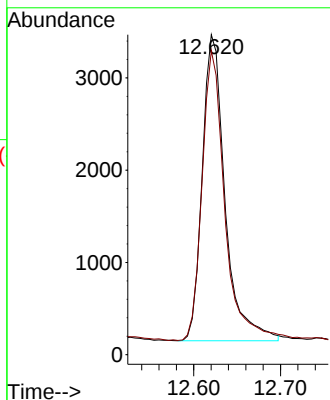
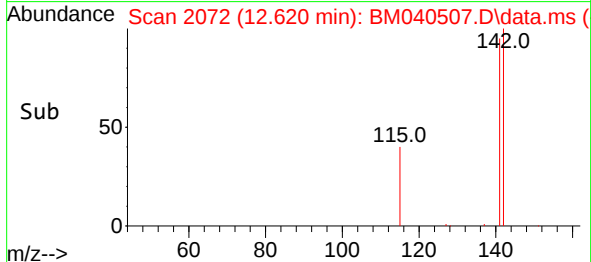
Instrument :
BNA_M
ClientSampleId :
DCFX4DL



Tgt Ion:142 Resp: 605
Ion Ratio Lower Upper
142 100
141 93.9 73.7 110.5

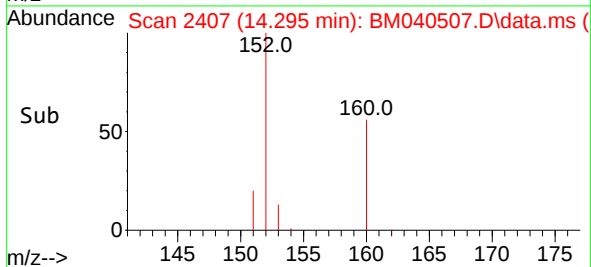
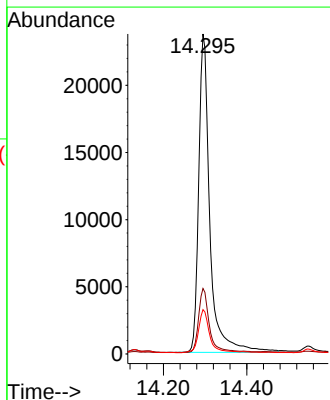
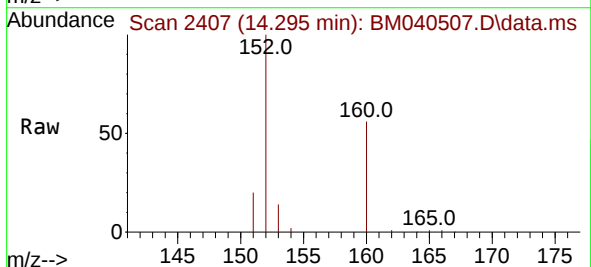
Manual Integrations
APPROVED

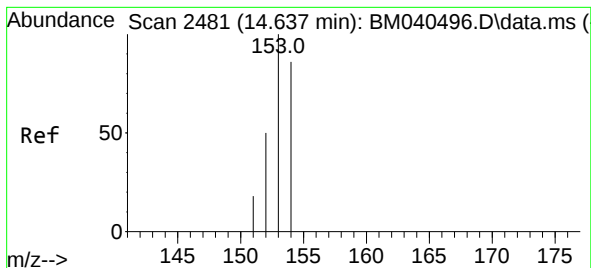
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023



#10
Acenaphthylene
Concen: 0.840 ng/ul
RT: 14.295 min Scan# 2407
Delta R.T. -0.004 min
Lab File: BM040507.D
Acq: 01 Jul 2023 17:23

Tgt Ion:152 Resp: 44170
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.2
153 13.8 10.9 16.3





#11

Acenaphthene

Concen: 0.199 ng/ul

RT: 14.637 min Scan# 2481

Delta R.T. -0.004 min

Lab File: BM040507.D

Acq: 01 Jul 2023 17:23

Instrument :

BNA_M

ClientSampleId :

DCFX4DL

Tgt Ion:153 Resp: 8839

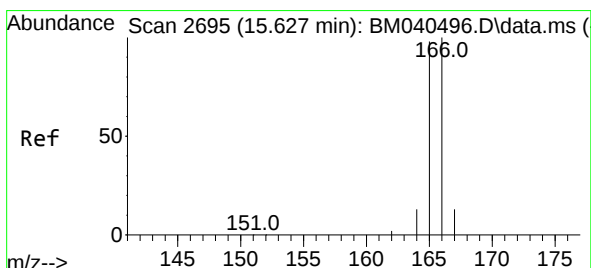
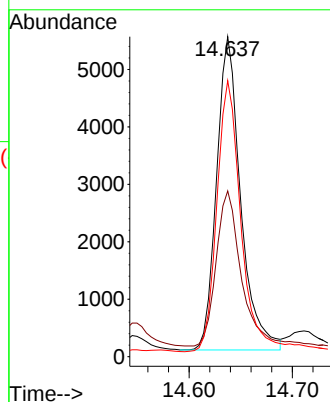
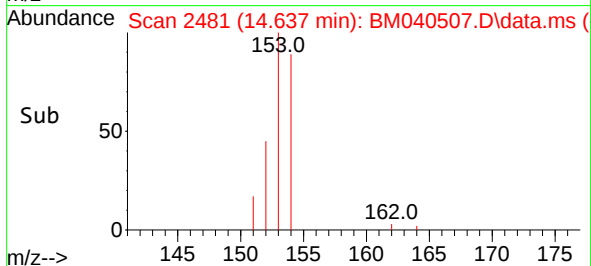
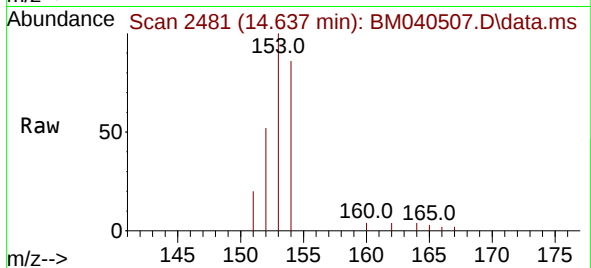
Ion	Ratio	Lower	Upper
153	100		
152	51.8	41.0	61.4
154	86.3	70.8	106.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/02/2023

Supervised By :Sohil Jodhani 07/02/2023



#12

Fluorene

Concen: 0.270 ng/ul

RT: 15.623 min Scan# 2694

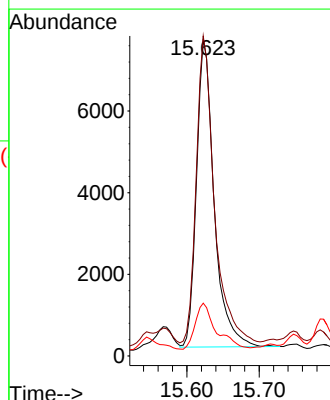
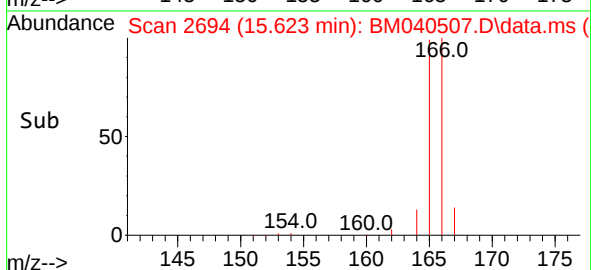
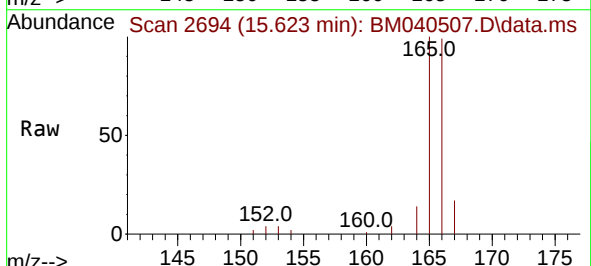
Delta R.T. -0.009 min

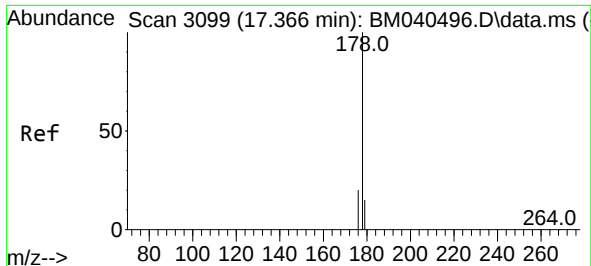
Lab File: BM040507.D

Acq: 01 Jul 2023 17:23

Tgt Ion:166 Resp: 12786

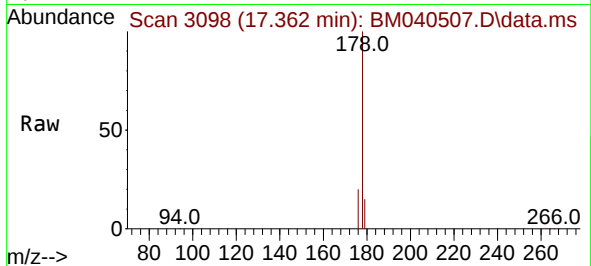
Ion	Ratio	Lower	Upper
166	100		
165	101.1	79.6	119.4
167	16.7	11.4	17.0





#15
Phenanthrene
Concen: 3.445 ng/u1
RT: 17.362 min Scan# 3099
Delta R.T. -0.008 min
Lab File: BM040507.D
Acq: 01 Jul 2023 17:23

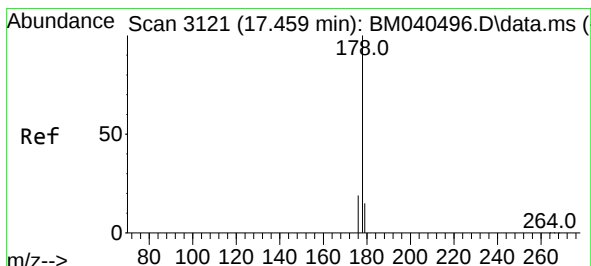
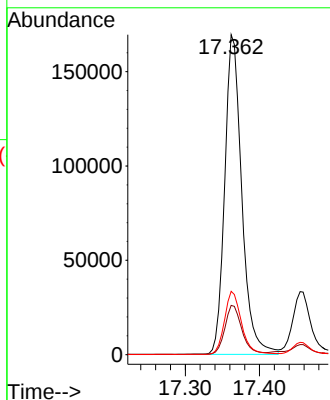
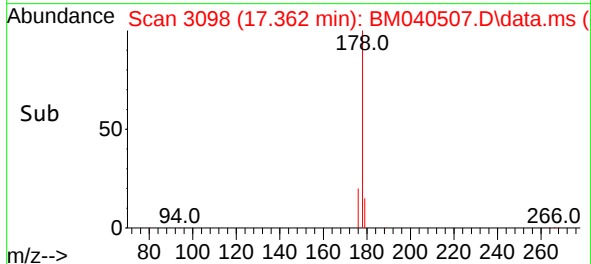
Instrument :
BNA_M
ClientSampleId :
DCFX4DL



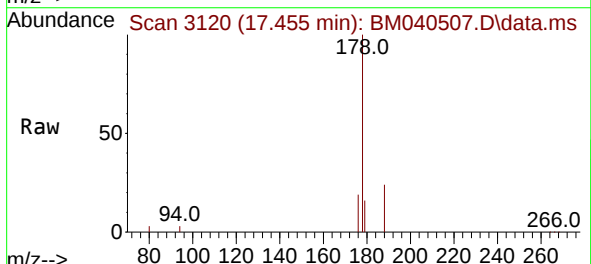
Tgt Ion:178 Resp: 27004
Ion Ratio Lower Upper
178 100
179 15.4 12.8 19.2
176 19.8 16.4 24.6

Manual Integrations
APPROVED

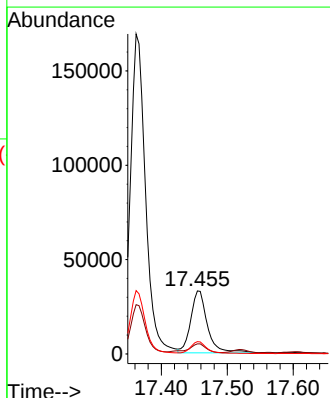
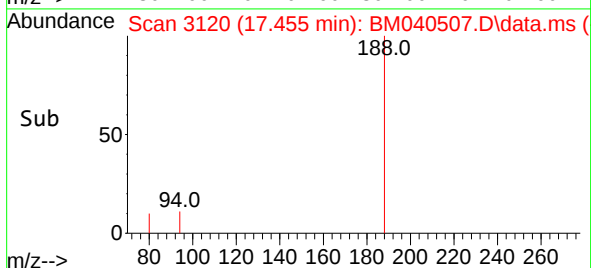
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023

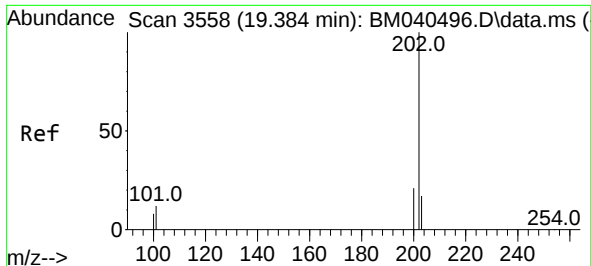


#16
Anthracene
Concen: 0.879 ng/u1
RT: 17.455 min Scan# 3120
Delta R.T. -0.008 min
Lab File: BM040507.D
Acq: 01 Jul 2023 17:23



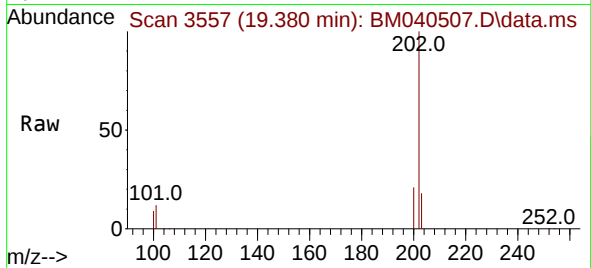
Tgt Ion:178 Resp: 57923
Ion Ratio Lower Upper
178 100
179 16.1 12.9 19.3
176 19.5 15.8 23.6





#19
Fluoranthene
Concen: 8.144 ng/ul
RT: 19.380 min Scan# 3558
Delta R.T. -0.005 min
Lab File: BM040507.D
Acq: 01 Jul 2023 17:23

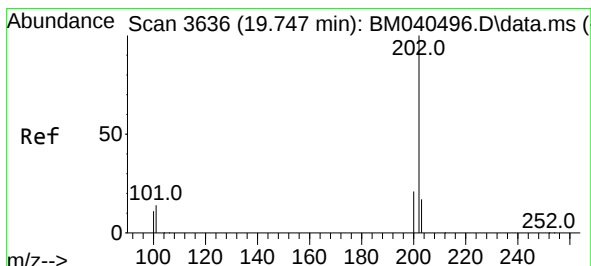
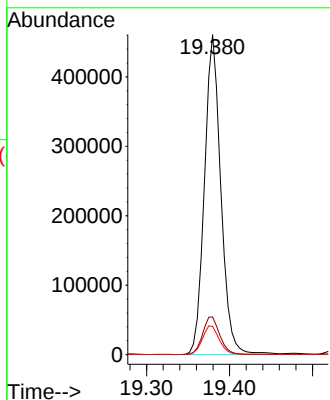
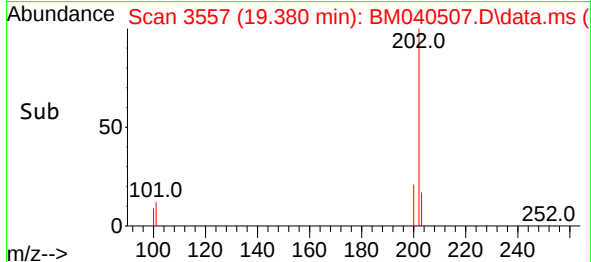
Instrument :
BNA_M
ClientSampleId :
DCFX4DL



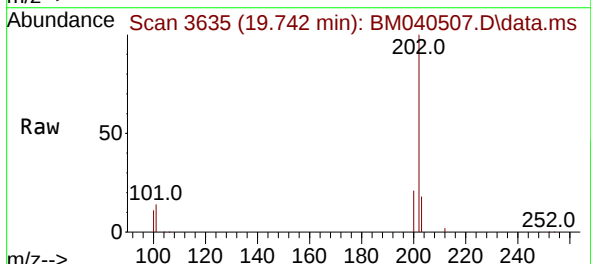
Tgt Ion:202 Resp: 63120
Ion Ratio Lower Upper
202 100
101 11.8 11.4 17.0
100 8.8 8.7 13.1

Manual Integrations
APPROVED

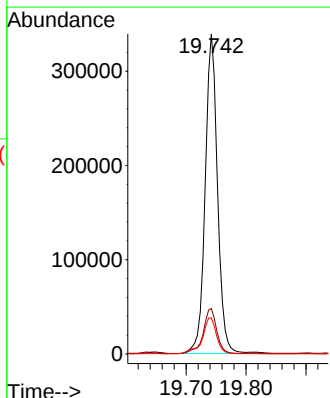
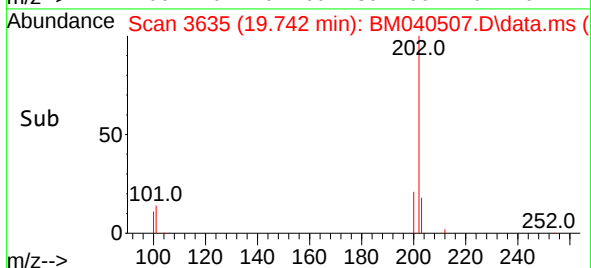
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023

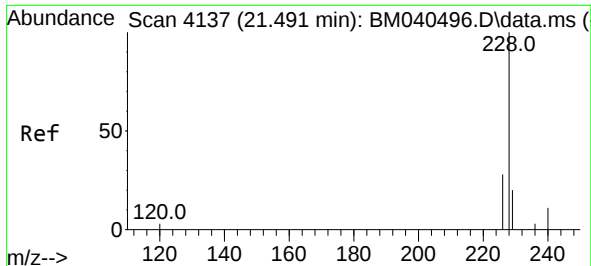


#20
Pyrene
Concen: 5.833 ng/ul
RT: 19.742 min Scan# 3635
Delta R.T. -0.005 min
Lab File: BM040507.D
Acq: 01 Jul 2023 17:23



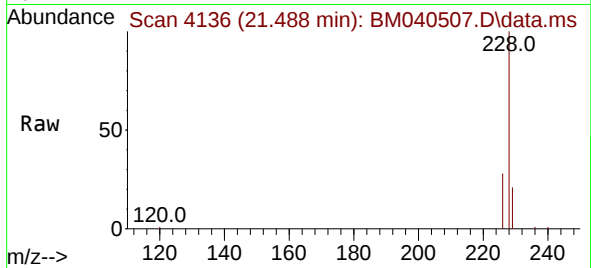
Tgt Ion:202 Resp: 484628
Ion Ratio Lower Upper
202 100
101 14.2 12.6 18.8
100 11.3 9.8 14.6





#21
Benzo(a)anthracene
Concen: 4.439 ng/ul
RT: 21.488 min Scan# 4136
Delta R.T. -0.003 min
Lab File: BM040507.D
Acq: 01 Jul 2023 17:23

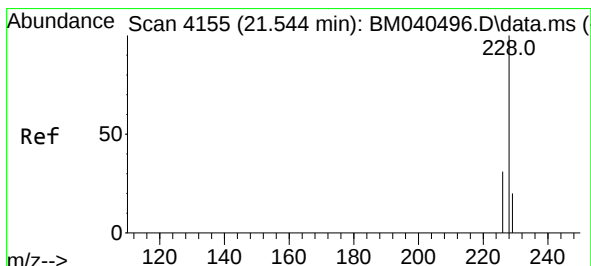
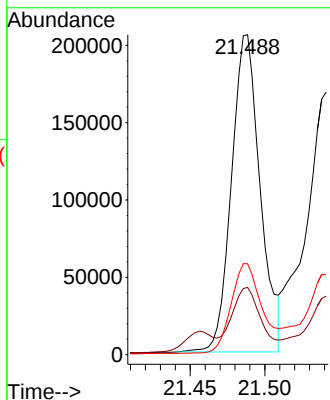
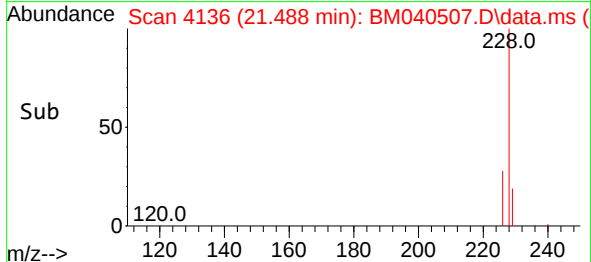
Instrument :
BNA_M
ClientSampleId :
DCFX4DL



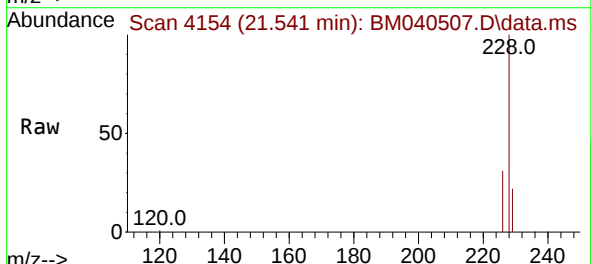
Tgt Ion:228 Resp: 27397
Ion Ratio Lower Upper
228 100
229 21.0 16.0 24.0
226 28.4 22.3 33.5

Manual Integrations
APPROVED

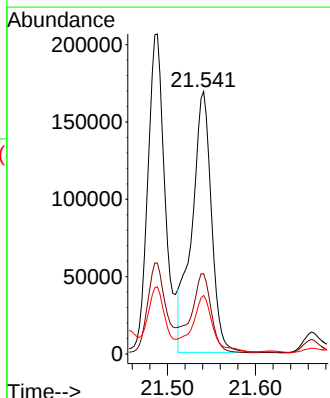
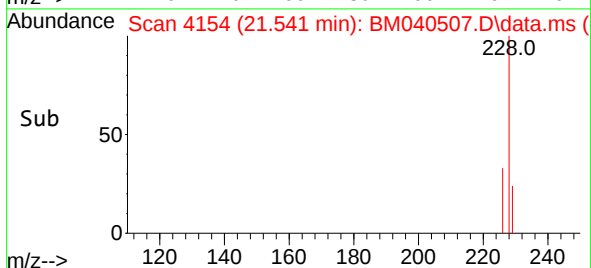
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023

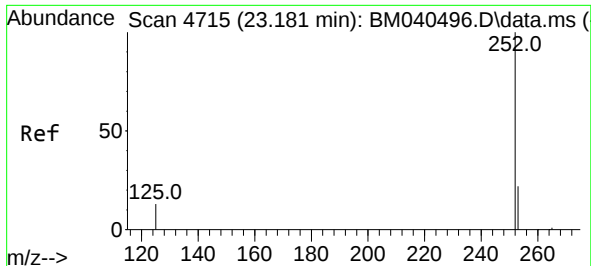


#22
Chrysene
Concen: 3.710 ng/ul
RT: 21.541 min Scan# 4154
Delta R.T. -0.003 min
Lab File: BM040507.D
Acq: 01 Jul 2023 17:23



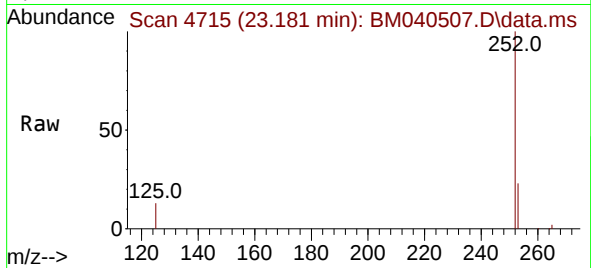
Tgt Ion:228 Resp: 261156
Ion Ratio Lower Upper
228 100
226 30.5 24.9 37.3
229 22.3 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 5.305 ng/ul
RT: 23.181 min Scan# 4715
Delta R.T. 0.000 min
Lab File: BM040507.D
Acq: 01 Jul 2023 17:23

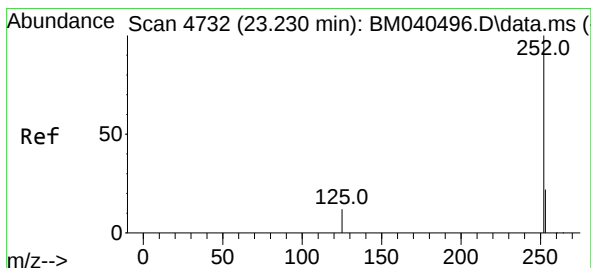
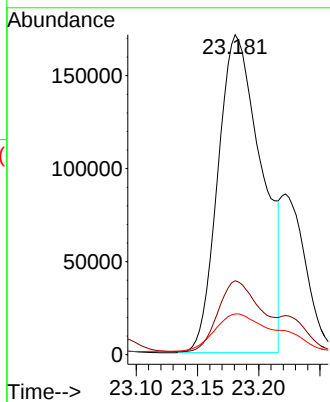
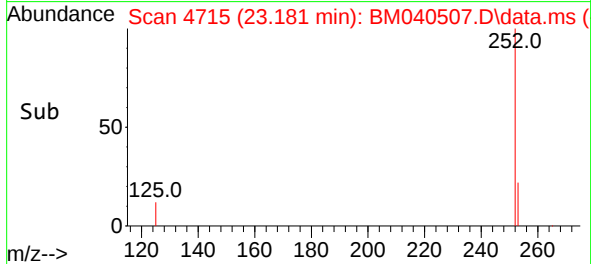
Instrument :
BNA_M
ClientSampleId :
DCFX4DL



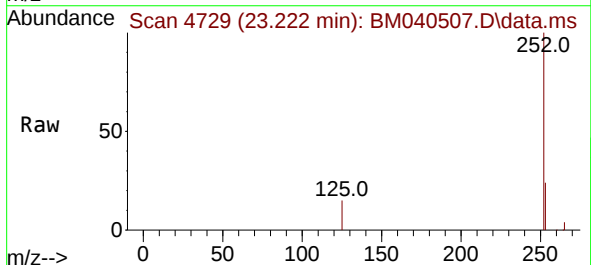
Tgt Ion:252 Resp: 42452
Ion Ratio Lower Upper
252 100
253 23.1 0.0 52.8
125 12.7 0.0 43.0

Manual Integrations
APPROVED

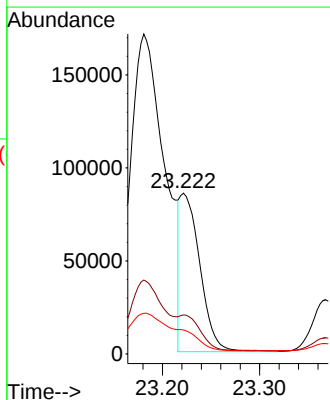
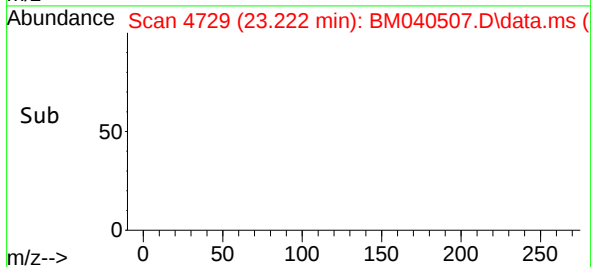
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023

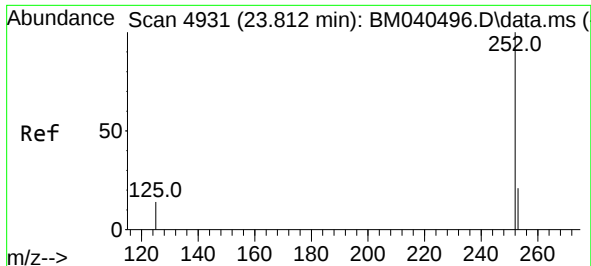


#25
Benzo(k)fluoranthene
Concen: 1.546 ng/ul m
RT: 23.222 min Scan# 4729
Delta R.T. -0.006 min
Lab File: BM040507.D
Acq: 01 Jul 2023 17:23



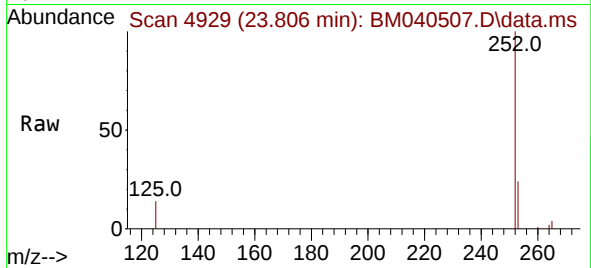
Tgt Ion:252 Resp: 121908
Ion Ratio Lower Upper
252 100
253 24.3 21.2 31.8
125 14.9 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 3.358 ng/ul
RT: 23.806 min Scan# 4931
Delta R.T. -0.006 min
Lab File: BM040507.D
Acq: 01 Jul 2023 17:23

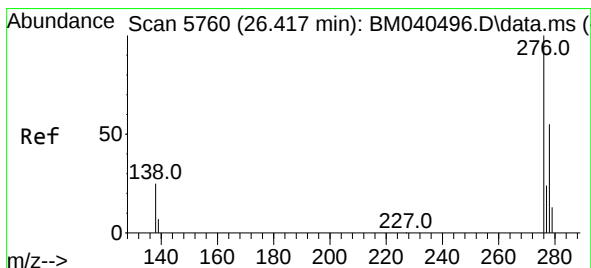
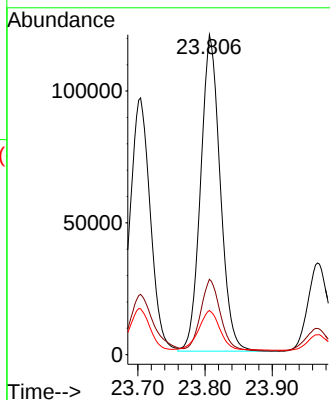
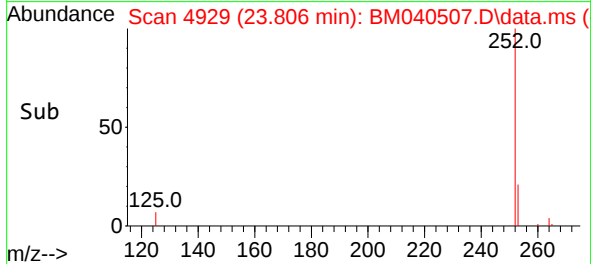
Instrument :
BNA_M
ClientSampleId :
DCFX4DL



Tgt Ion:252 Resp: 242050
Ion Ratio Lower Upper
252 100
253 23.5 22.9 34.3
125 13.8 21.0 31.4

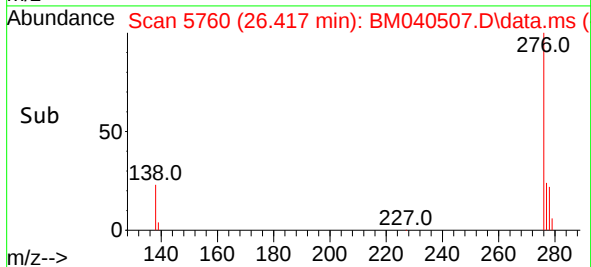
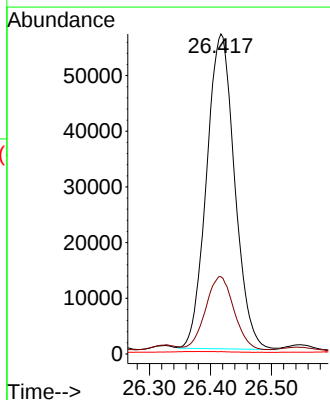
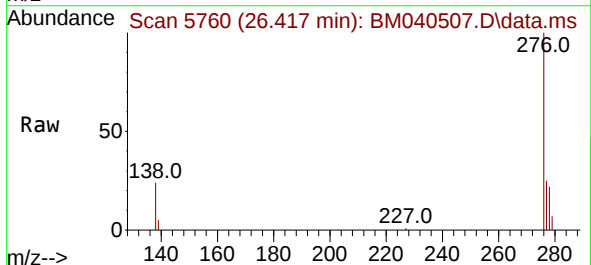
Manual Integrations
APPROVED

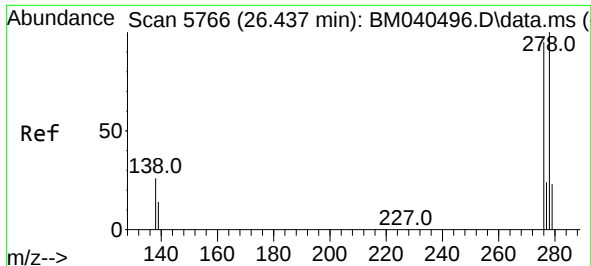
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.807 ng/ul
RT: 26.417 min Scan# 5760
Delta R.T. -0.003 min
Lab File: BM040507.D
Acq: 01 Jul 2023 17:23

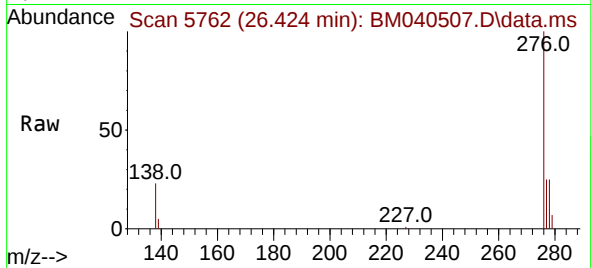
Tgt Ion:276 Resp: 181364
Ion Ratio Lower Upper
276 100
138 23.7 24.5 36.7#
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.594 ng/ul
RT: 26.424 min Scan# 51
Delta R.T. -0.013 min
Lab File: BM040507.D
Acq: 01 Jul 2023 17:23

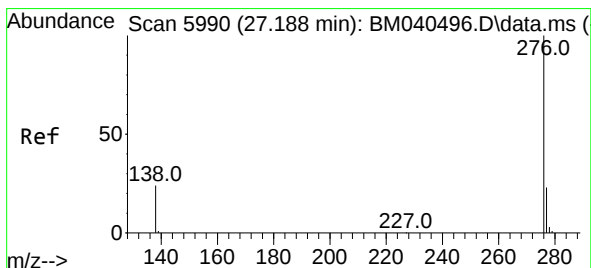
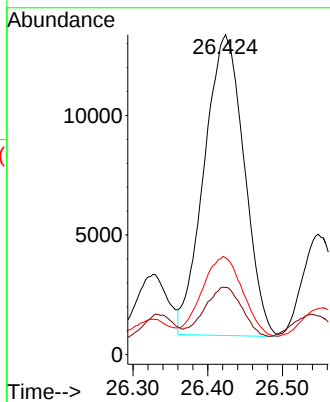
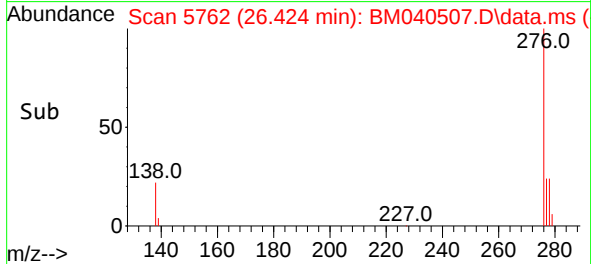
Instrument :
BNA_M
ClientSampleId :
DCFX4DL



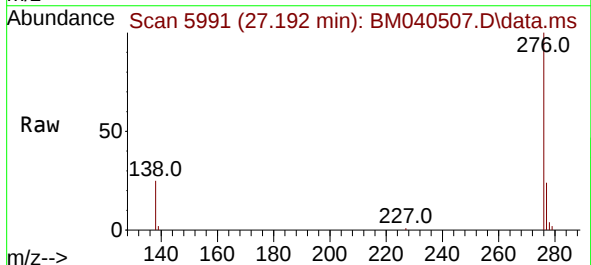
Tgt Ion:278 Resp: 46689
Ion Ratio Lower Upper
278 100
139 21.0 17.9 26.9
279 30.3 22.0 33.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023



#29
Benzo(g,h,i)perylene
Concen: 1.726 ng/ul
RT: 27.192 min Scan# 5991
Delta R.T. 0.007 min
Lab File: BM040507.D
Acq: 01 Jul 2023 17:23



Tgt Ion:276 Resp: 151844
Ion Ratio Lower Upper
276 100
138 24.9 23.0 34.6
277 24.3 20.3 30.5

