

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
 Data File : BM040498.D
 Acq On : 01 Jul 2023 11:48
 Operator : MA/JU
 Sample : 03161-05DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFW1DL

Manual Integrations
 APPROVED

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

Quant Time: Jul 01 23:46:44 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	9489	0.400	ng/ul	0.00
4) Naphthalene-d8	10.744	136	33076	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.576	164	14795	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.322	188	26685	0.400	ng/ul	0.00
17) Chrysene-d12	21.503	240	16208	0.400	ng/ul	0.00
23) Perylene-d12	23.915	264	17481	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	5439	0.365	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.333	152	1114	0.024	ng/ul	0.00
18) Fluoranthene-d10	19.350	212	1363	0.026	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.793	128	3685	0.040	ng/ul#	89
7) 2-Methylnaphthalene	12.410	142	1544	0.029	ng/ul	99
8) 1-Methylnaphthalene	12.624	142	1141	0.021	ng/ul	99
10) Acenaphthylene	14.298	152	9897	0.150	ng/ul	97
11) Acenaphthene	14.640	153	2477	0.044	ng/ul	96
12) Fluorene	15.626	166	2397	0.040	ng/ul#	97
15) Phenanthrene	17.365	178	67653	0.816	ng/ul	99
16) Anthracene	17.457	178	15040	0.216	ng/ul	98
19) Fluoranthene	19.378	202	182469	2.650	ng/ul	97
20) Pyrene	19.741	202	145335	1.969	ng/ul	99
21) Benzo(a)anthracene	21.486	228	72138	1.316	ng/ul	98
22) Chrysene	21.541	228	78882	1.261	ng/ul	98
24) Benzo(b)fluoranthene	23.181	252	132127	1.953	ng/ul	90
25) Benzo(k)fluoranthene	23.222	252	44880m	0.673	ng/ul	
26) Benzo(a)pyrene	23.807	252	81235	1.333	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	26.414	276	71540	0.843	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.421	278	16923	0.255	ng/ul#	92
29) Benzo(g,h,i)perylene	27.189	276	64170	0.863	ng/ul	96

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

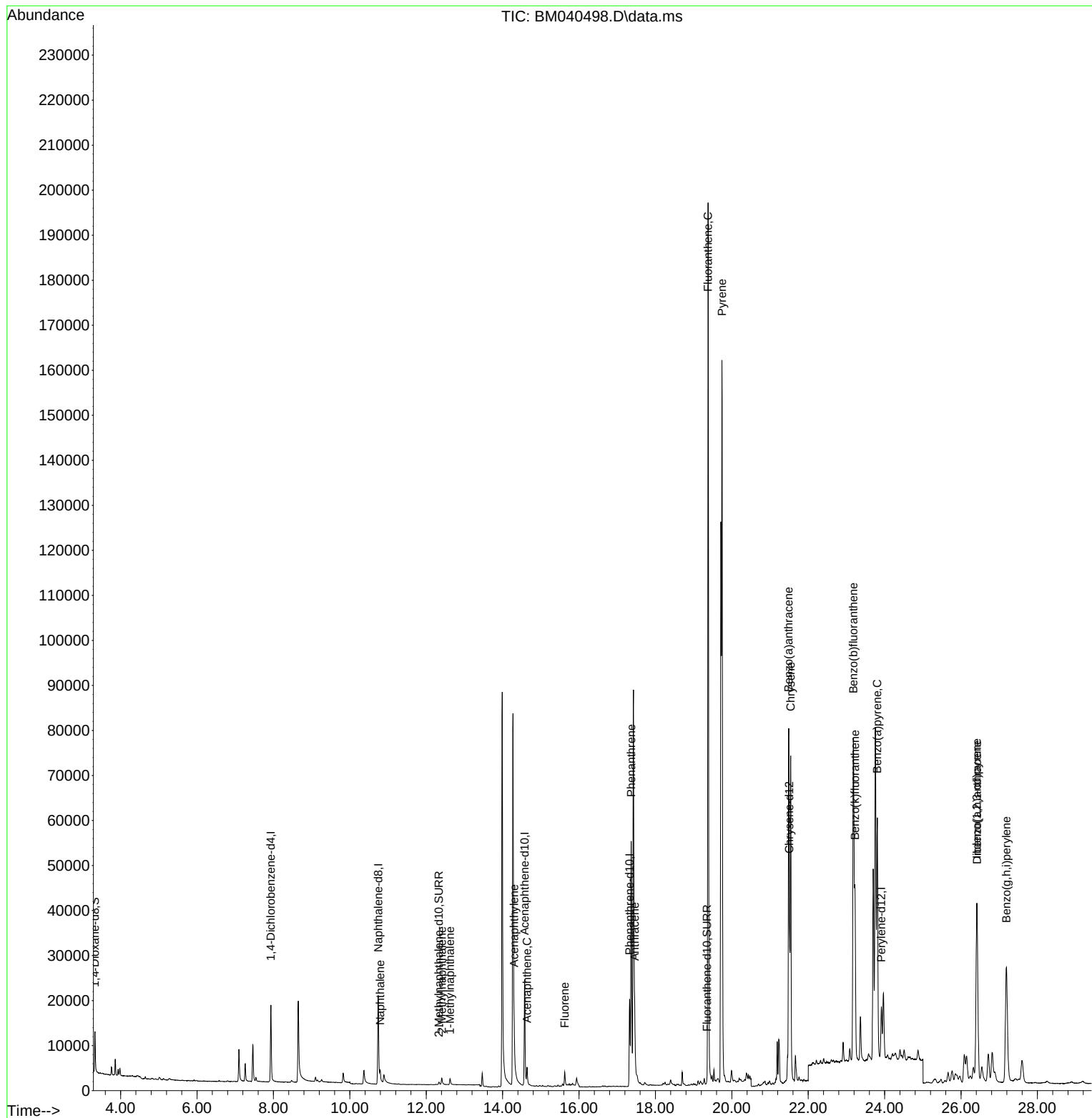
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
Data File : BM040498.D
Acq On : 01 Jul 2023 11:48
Operator : MA/JU
Sample : 03161-05DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

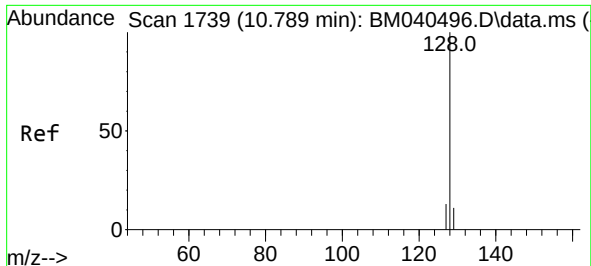
Instrument :
BNA_M
ClientSampleId :
DCFW1DL

Quant Time: Jul 01 23:46:44 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

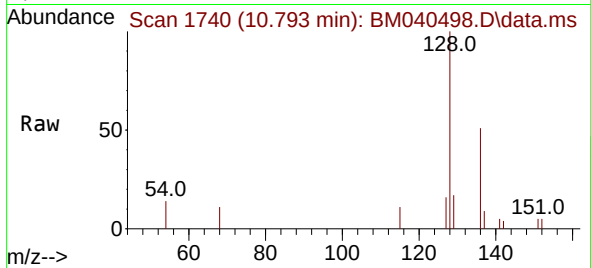
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023





#5
Naphthalene
Concen: 0.040 ng/ul
RT: 10.793 min Scan# 1739
Delta R.T. -0.001 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

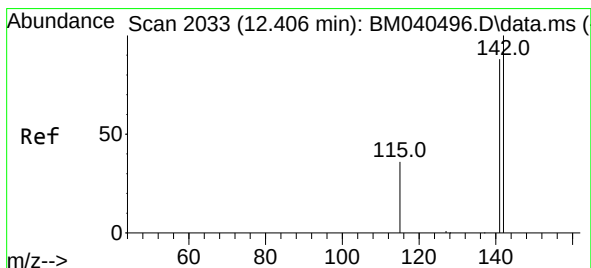
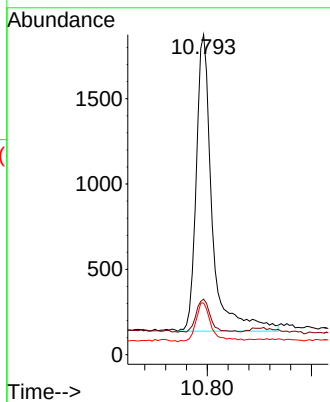
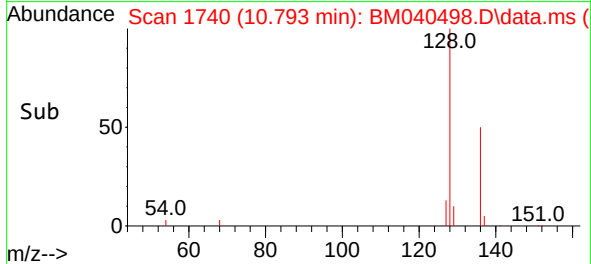
Instrument :
BNA_M
ClientSampleId :
DCFWD1DL



Tgt Ion:128 Resp: 368
Ion Ratio Lower Upper
128 100
129 17.4 9.2 13.8
127 16.2 10.6 15.8

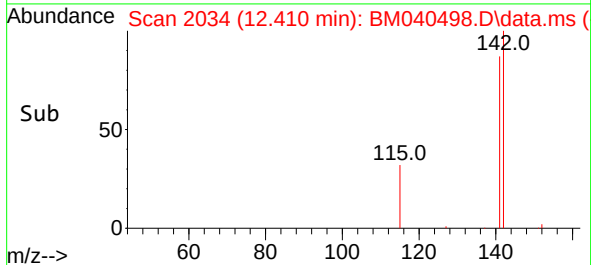
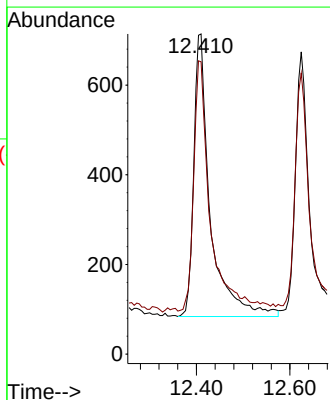
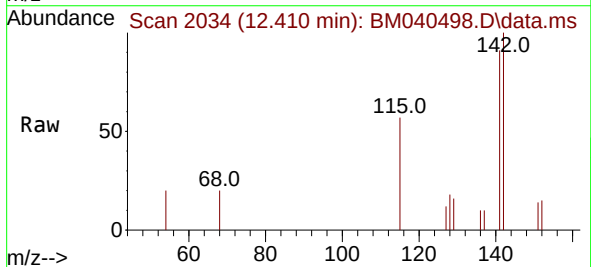
Manual Integrations
APPROVED

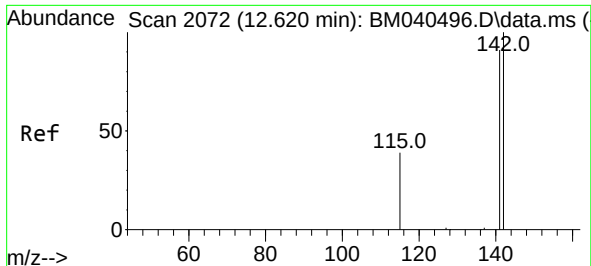
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023



#7
2-Methylnaphthalene
Concen: 0.029 ng/ul
RT: 12.410 min Scan# 2034
Delta R.T. 0.004 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

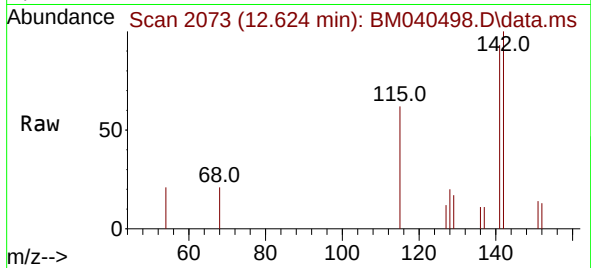
Tgt Ion:142 Resp: 1544
Ion Ratio Lower Upper
142 100
141 90.5 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.021 ng/ul
RT: 12.624 min Scan# 2073
Delta R.T. -0.001 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

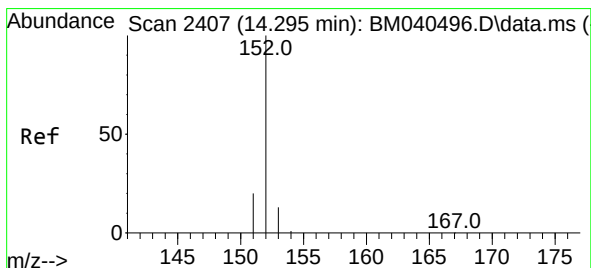
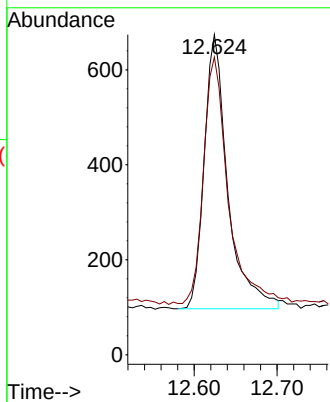
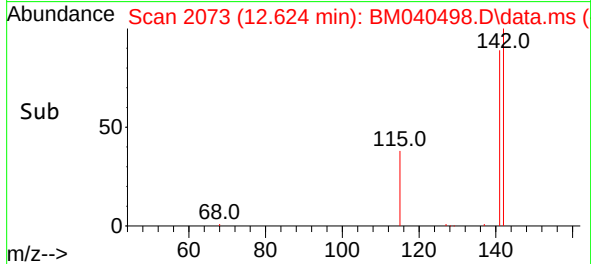
Instrument :
BNA_M
ClientSampleId :
DCFWD1DL



Tgt Ion:142 Resp: 114
Ion Ratio Lower Upper
142 100
141 92.9 73.7 110.5

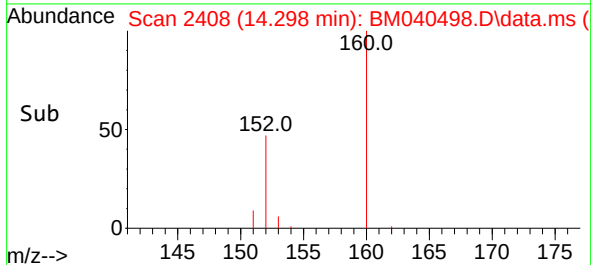
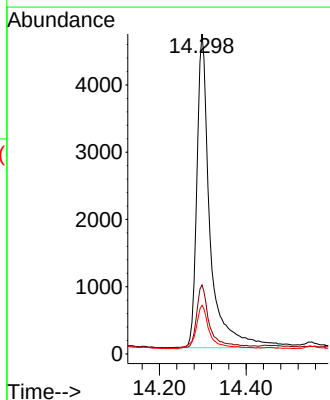
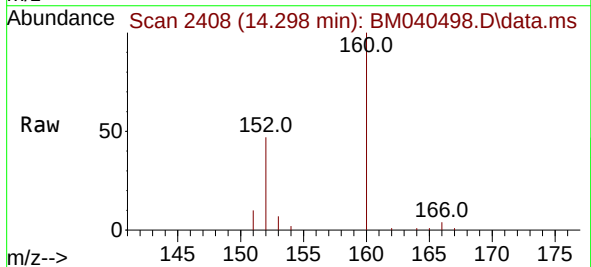
Manual Integrations
APPROVED

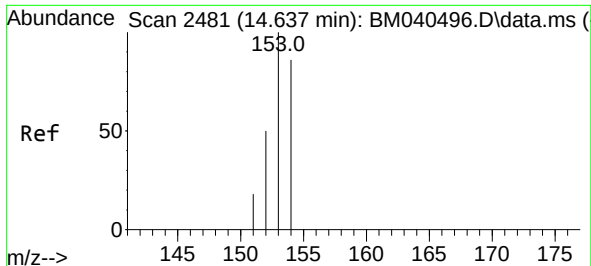
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023



#10
Acenaphthylene
Concen: 0.150 ng/ul
RT: 14.298 min Scan# 2408
Delta R.T. -0.001 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

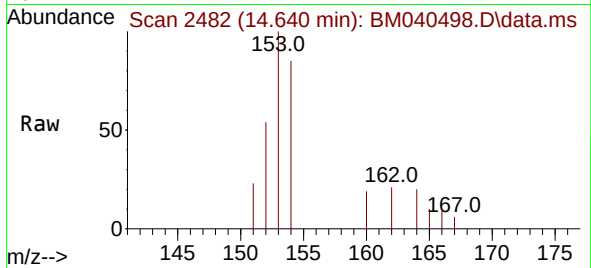
Tgt Ion:152 Resp: 9897
Ion Ratio Lower Upper
152 100
151 21.6 16.2 24.2
153 15.2 10.9 16.3





#11
Acenaphthene
Concen: 0.044 ng/ul
RT: 14.640 min Scan# 2481
Delta R.T. -0.001 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

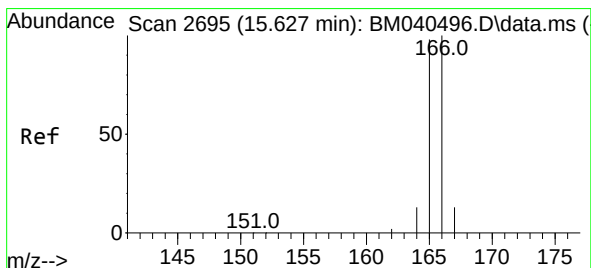
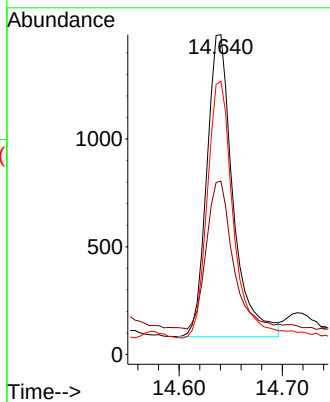
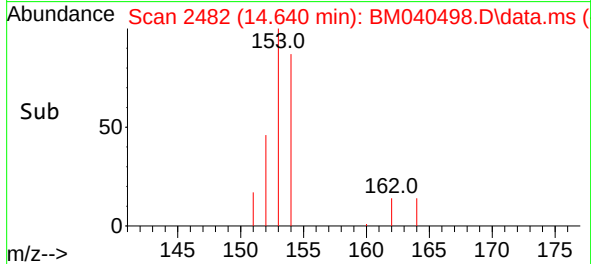
Instrument :
BNA_M
ClientSampleId :
DCFWD1DL



Tgt Ion:153 Resp: 247
Ion Ratio Lower Upper
153 100
152 54.2 41.0 61.4
154 85.4 70.8 106.2

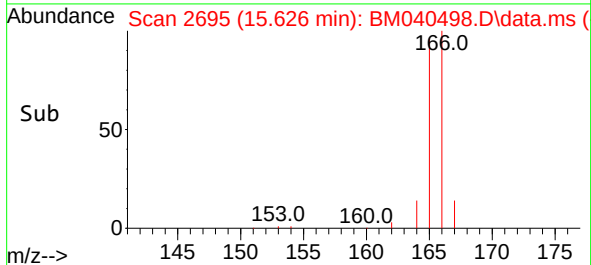
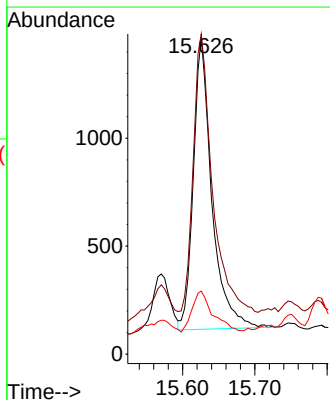
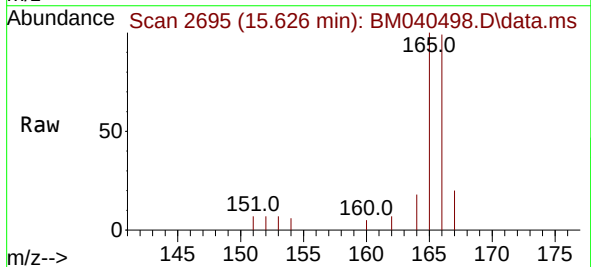
Manual Integrations
APPROVED

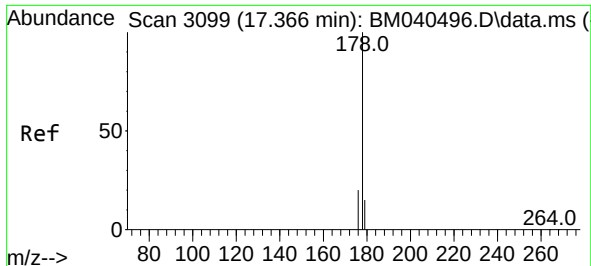
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023



#12
Fluorene
Concen: 0.040 ng/ul
RT: 15.626 min Scan# 2695
Delta R.T. -0.006 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

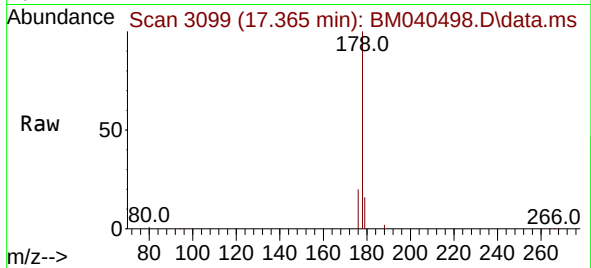
Tgt Ion:166 Resp: 2397
Ion Ratio Lower Upper
166 100
165 101.0 79.6 119.4
167 19.9 11.4 17.0#





#15
Phenanthrene
Concen: 0.816 ng/ul
RT: 17.365 min Scan# 3099
Delta R.T. -0.006 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

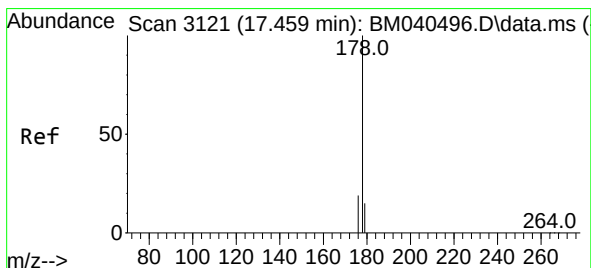
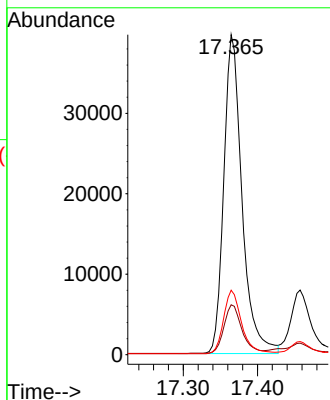
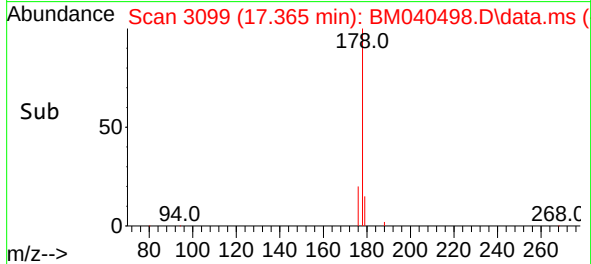
Instrument :
BNA_M
ClientSampleId :
DCFW1DL



Tgt Ion:178 Resp: 6765
Ion Ratio Lower Upper
178 100
179 15.6 12.8 19.2
176 20.1 16.4 24.6

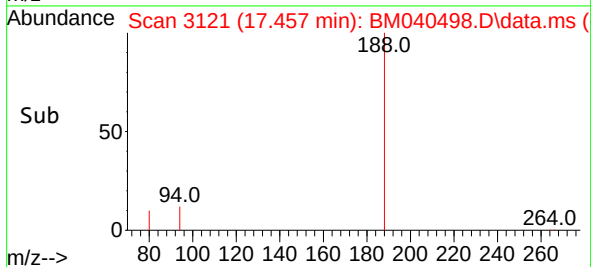
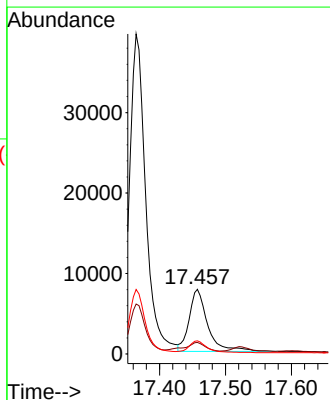
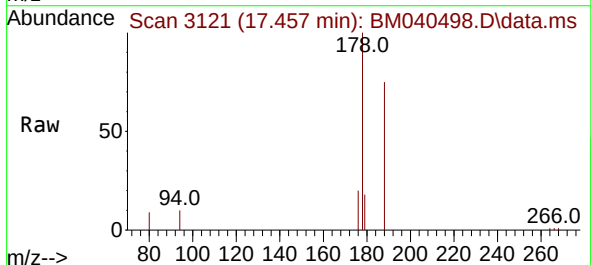
Manual Integrations
APPROVED

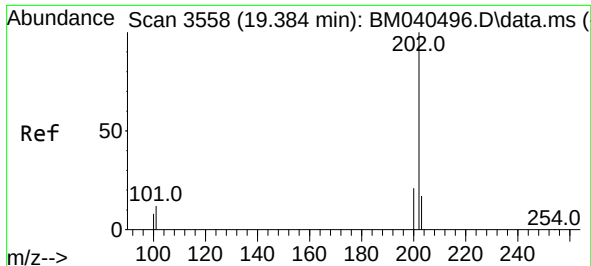
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023



#16
Anthracene
Concen: 0.216 ng/ul
RT: 17.457 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

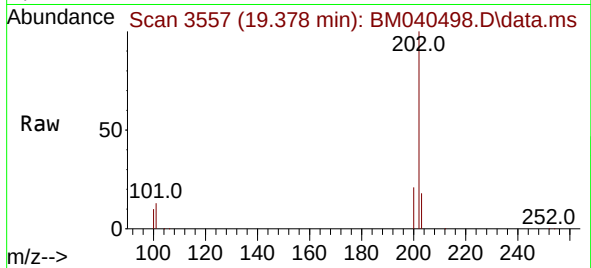
Tgt Ion:178 Resp: 15040
Ion Ratio Lower Upper
178 100
179 17.8 12.9 19.3
176 20.2 15.8 23.6





#19
Fluoranthene
Concen: 2.650 ng/ul
RT: 19.378 min Scan# 3558
Delta R.T. -0.006 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

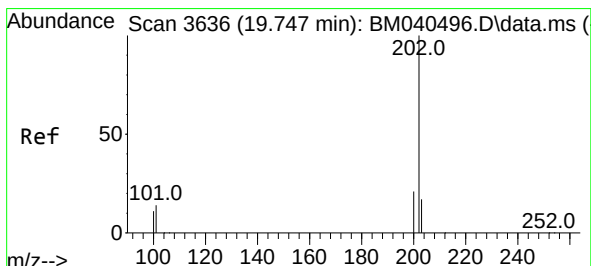
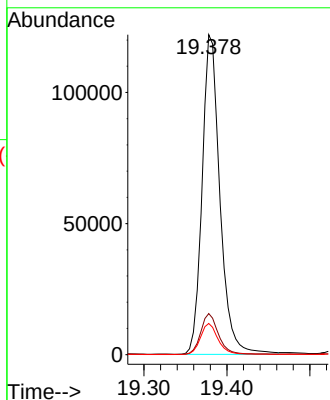
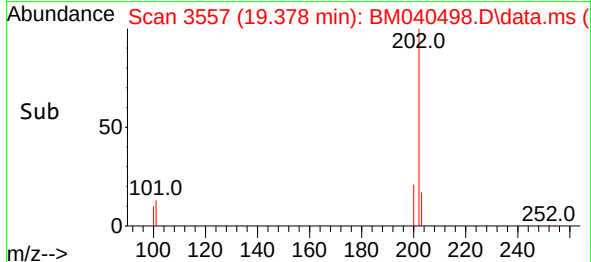
Instrument :
BNA_M
ClientSampleId :
DCFWD1DL



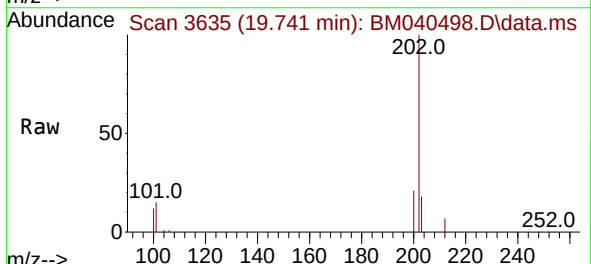
Tgt Ion:202 Resp: 182469
Ion Ratio Lower Upper
202 100
101 12.8 11.4 17.0
100 9.8 8.7 13.1

Manual Integrations
APPROVED

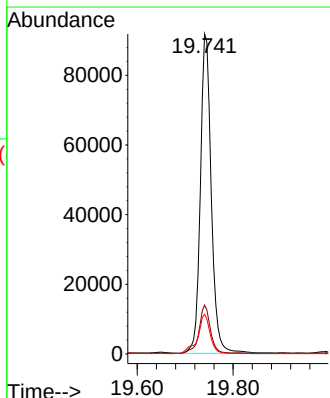
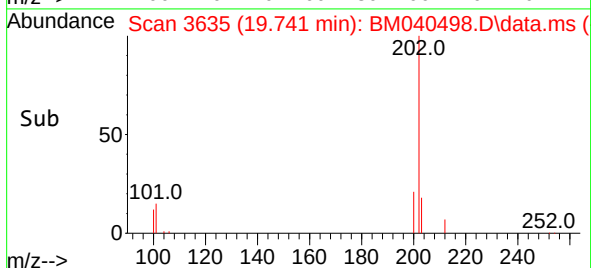
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023

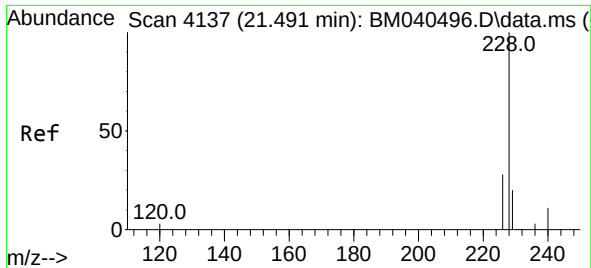


#20
Pyrene
Concen: 1.969 ng/ul
RT: 19.741 min Scan# 3635
Delta R.T. -0.006 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48



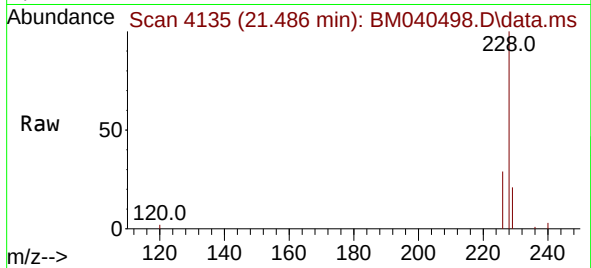
Tgt Ion:202 Resp: 145335
Ion Ratio Lower Upper
202 100
101 15.3 12.6 18.8
100 12.4 9.8 14.6





#21
Benzo(a)anthracene
Concen: 1.316 ng/ul
RT: 21.486 min Scan# 4135
Delta R.T. -0.005 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

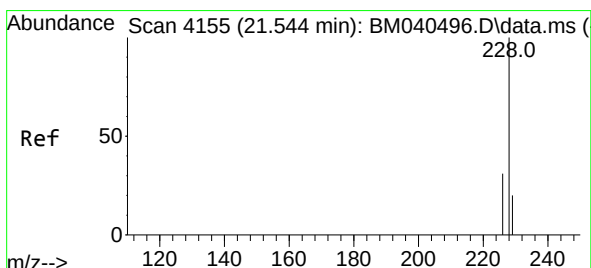
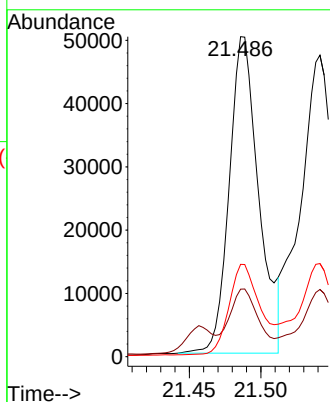
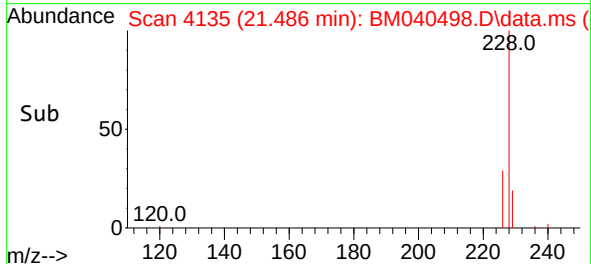
Instrument :
BNA_M
ClientSampleId :
DCFW1DL



Tgt Ion:228 Resp: 72138
Ion Ratio Lower Upper
228 100
229 21.1 16.0 24.0
226 28.9 22.3 33.5

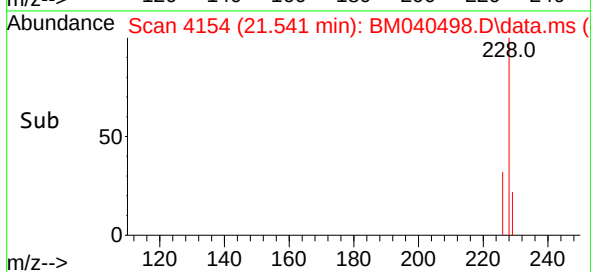
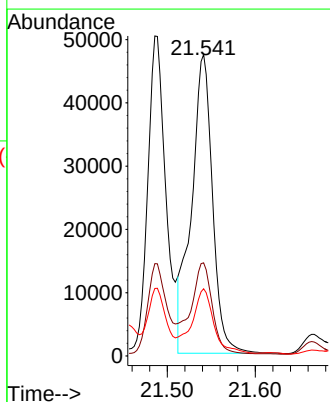
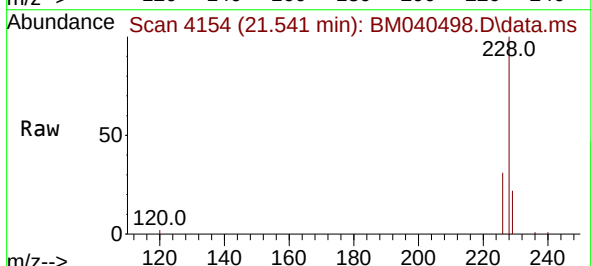
Manual Integrations
APPROVED

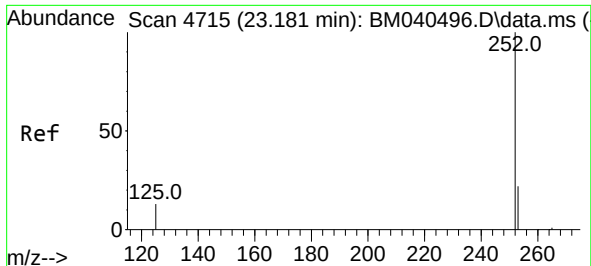
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023



#22
Chrysene
Concen: 1.261 ng/ul
RT: 21.541 min Scan# 4154
Delta R.T. -0.003 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

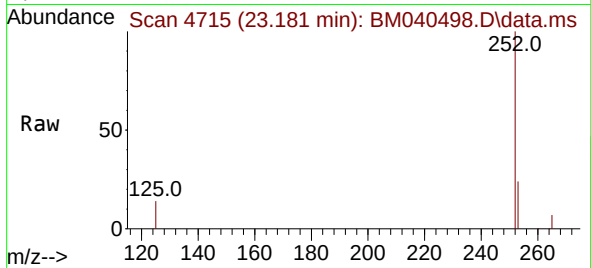
Tgt Ion:228 Resp: 78882
Ion Ratio Lower Upper
228 100
226 30.9 24.9 37.3
229 22.3 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 1.953 ng/ul
RT: 23.181 min Scan# 4715
Delta R.T. 0.000 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

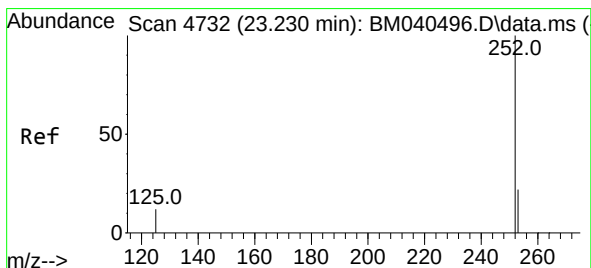
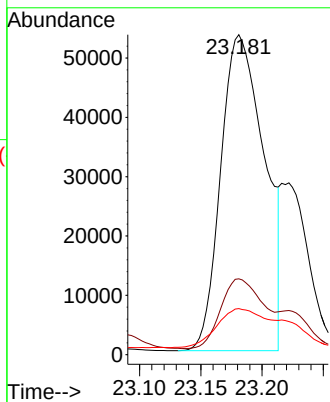
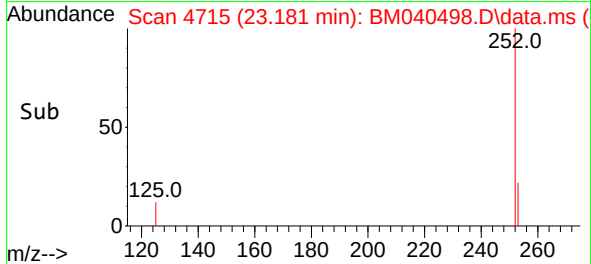
Instrument :
BNA_M
ClientSampleId :
DCFWD1DL



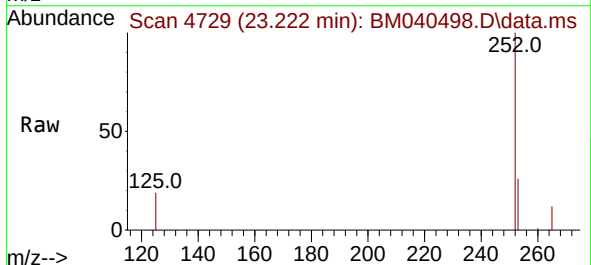
Tgt Ion:252 Resp: 13212
Ion Ratio Lower Upper
252 100
253 23.7 0.0 52.8
125 14.4 0.0 43.0

Manual Integrations
APPROVED

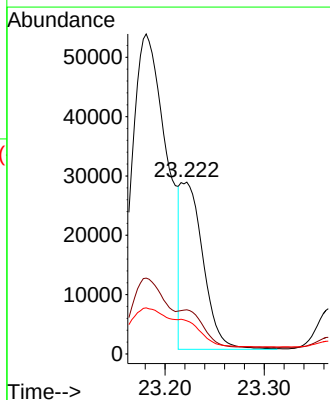
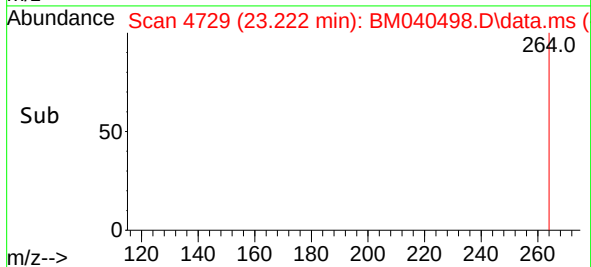
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023

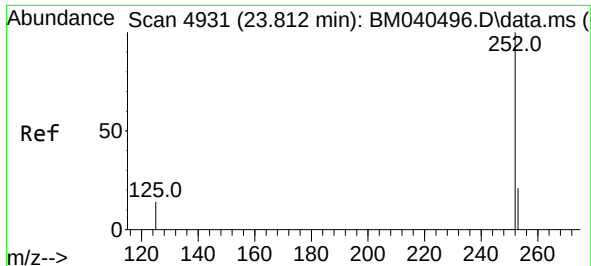


#25
Benzo(k)fluoranthene
Concen: 0.673 ng/ul m
RT: 23.222 min Scan# 4729
Delta R.T. -0.005 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48



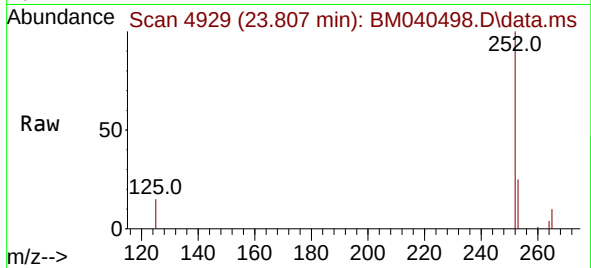
Tgt Ion:252 Resp: 44880
Ion Ratio Lower Upper
252 100
253 25.7 21.2 31.8
125 19.3 16.4 24.6





#26
Benzo(a)pyrene
Concen: 1.333 ng/ul
RT: 23.807 min Scan# 4931
Delta R.T. -0.005 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

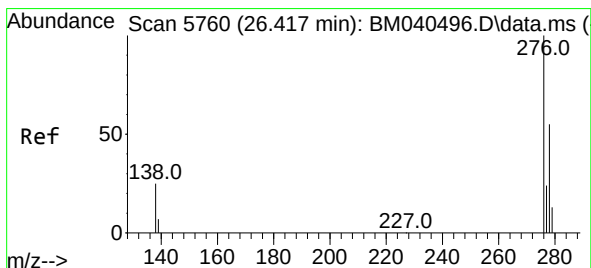
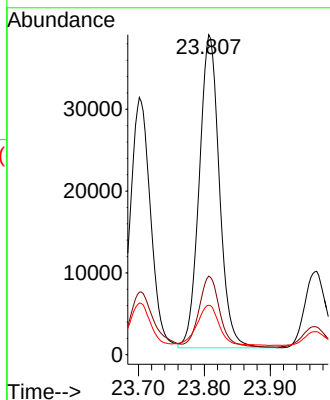
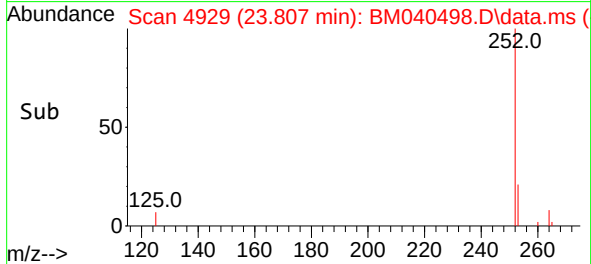
Instrument :
BNA_M
ClientSampleId :
DCFWD1DL



Tgt Ion:252 Resp: 81235
Ion Ratio Lower Upper
252 100
253 24.6 22.9 34.3
125 15.4 21.0 31.4

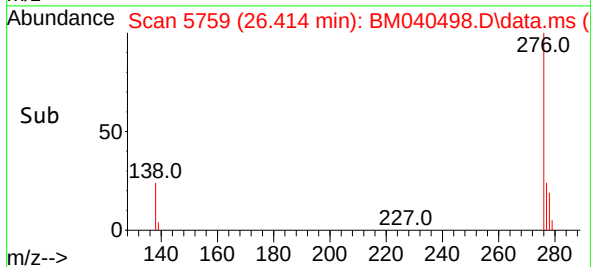
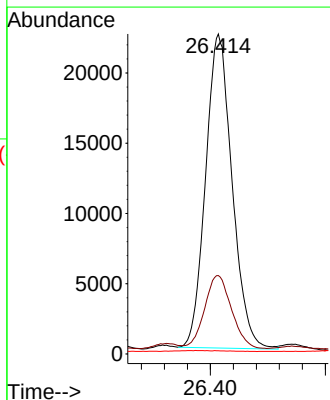
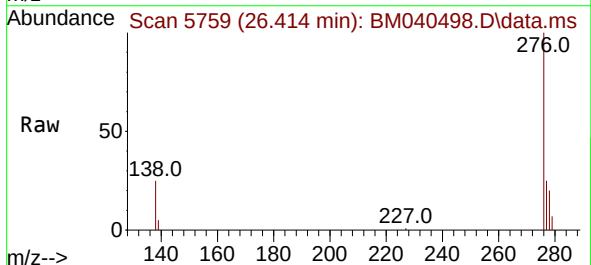
Manual Integrations
APPROVED

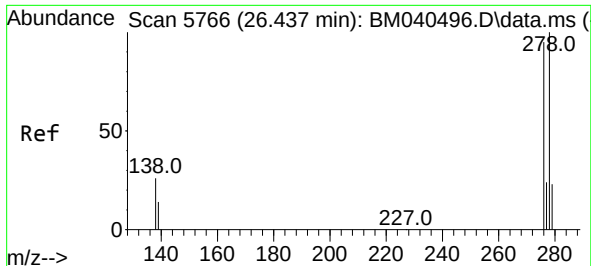
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.843 ng/ul
RT: 26.414 min Scan# 5759
Delta R.T. -0.006 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

Tgt Ion:276 Resp: 71540
Ion Ratio Lower Upper
276 100
138 23.7 24.5 36.7#
227 0.0 0.1 0.1#





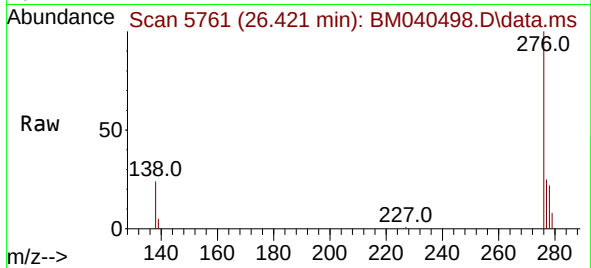
#28
Dibenzo(a,h)anthracene
Concen: 0.255 ng/ul
RT: 26.421 min Scan# 51
Delta R.T. -0.016 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

Instrument :

BNA_M

ClientSampleId :

DCFWD1DL

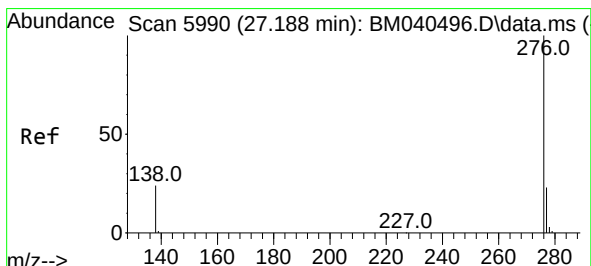
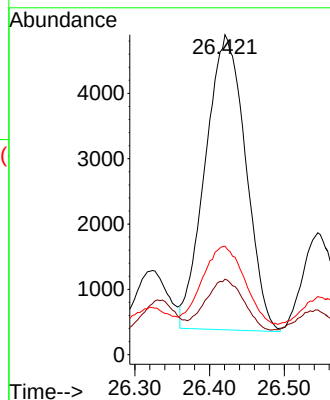
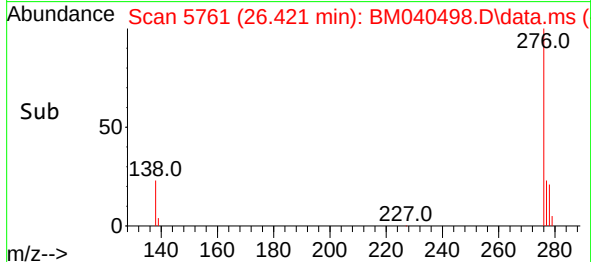


Tgt Ion:278 Resp: 1692
Ion Ratio Lower Upper
278 100
139 23.6 17.9 26.9
279 33.9 22.0 33.0

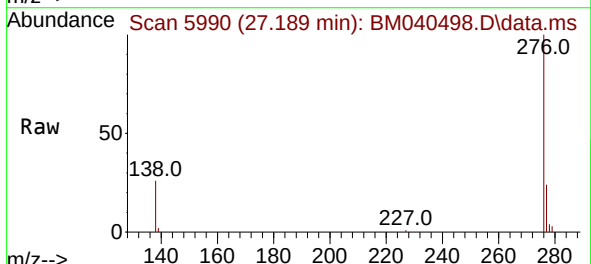
Manual Integrations

APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 0.863 ng/ul
RT: 27.189 min Scan# 5990
Delta R.T. 0.004 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48



Tgt Ion:276 Resp: 64170
Ion Ratio Lower Upper
276 100
138 25.8 23.0 34.6
277 24.4 20.3 30.5

