

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
 Data File : BM040515.D
 Acq On : 01 Jul 2023 22:56
 Operator : MA/JU
 Sample : 03242-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFZ9

Quant Time: Jul 02 05:16:07 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

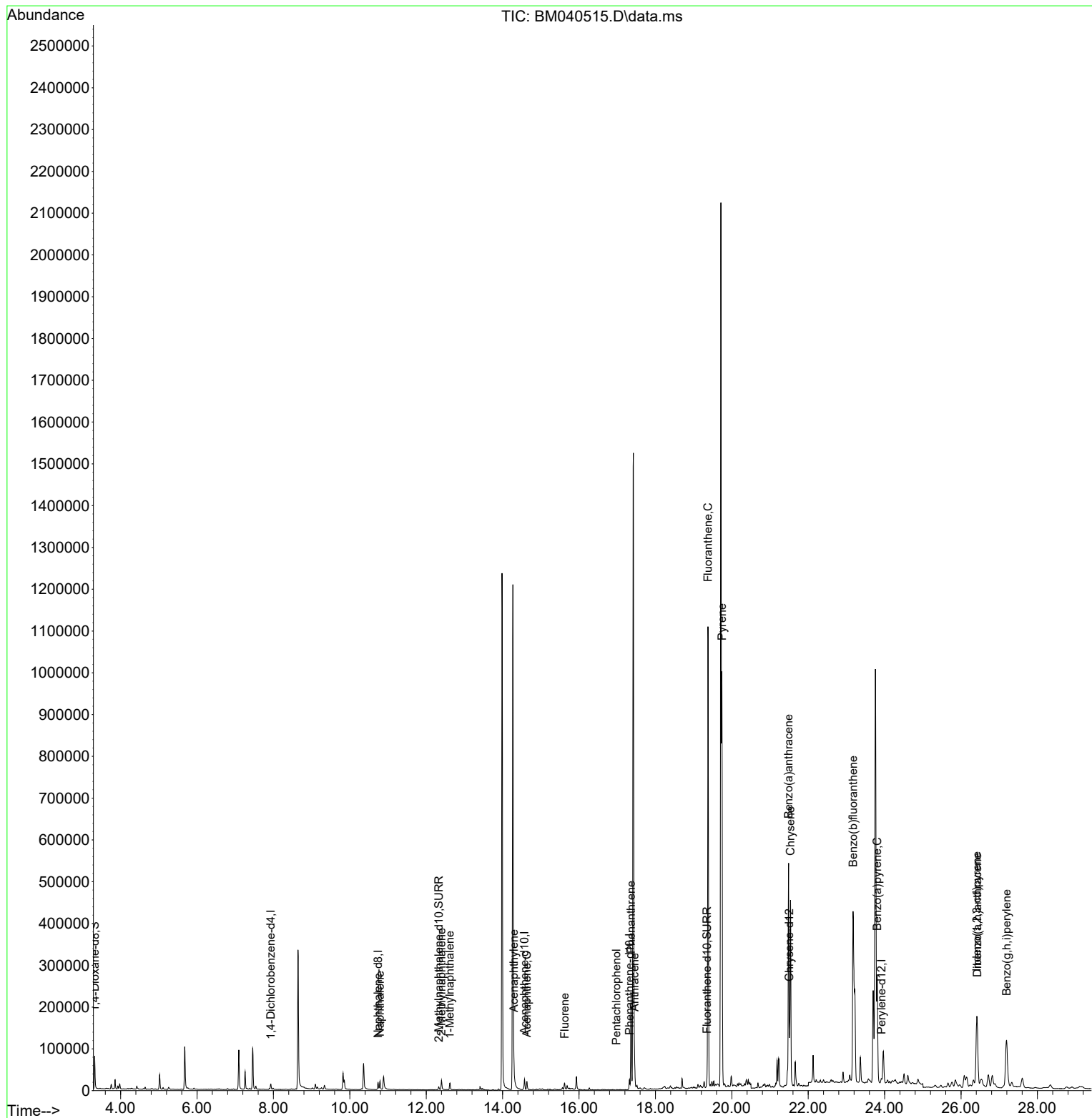
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.932	152	6897	0.400	ng/ul	0.00
4) Naphthalene-d8	10.740	136	24939	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.572	164	14322	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.320	188	29314	0.400	ng/ul	0.00
17) Chrysene-d12	21.500	240	18384	0.400	ng/ul #	0.00
23) Perylene-d12	23.915	264	16085	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.321	96	45893	4.236	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.329	152	11039	0.316	ng/ul	0.00
18) Fluoranthene-d10	19.347	212	21975	0.373	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.789	128	30606	0.445	ng/ul	99
7) 2-Methylnaphthalene	12.400	142	18215	0.451	ng/ul	97
8) 1-Methylnaphthalene	12.620	142	11898	0.295	ng/ul	99
10) Acenaphthylene	14.295	152	22653	0.354	ng/ul	96
11) Acenaphthene	14.633	153	12179	0.225	ng/ul	97
12) Fluorene	15.623	166	10386	0.180	ng/ul#	98
14) Pentachlorophenol	16.978	266	148	0.026	ng/ul#	87
15) Phenanthrene	17.362	178	243361	2.673	ng/ul	99
16) Anthracene	17.455	178	49802	0.651	ng/ul	100
19) Fluoranthene	19.375	202	946997	12.127	ng/ul	96
20) Pyrene	19.742	202	807928	9.650	ng/ul	96
21) Benzo(a)anthracene	21.486	228	473635	7.617	ng/ul	99
22) Chrysene	21.535	228	465682	6.565	ng/ul	97
24) Benzo(b)fluoranthene	23.175	252	740985	11.904	ng/ul	91
26) Benzo(a)pyrene	23.803	252	373564	6.662	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.414	276	311927	3.994	ng/ul#	85
28) Dibenzo(a,h)anthracene	26.424	278	74801	1.223	ng/ul	95
29) Benzo(g,h,i)perylene	27.192	276	290923	4.250	ng/ul	94

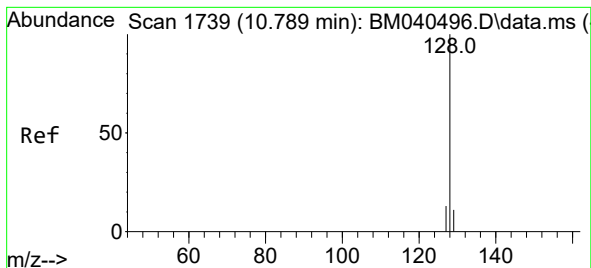
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.445 ng/ul

RT: 10.789 min Scan# 11

Delta R.T. -0.005 min

Lab File: BM040515.D

Acq: 01 Jul 2023 22:56

Instrument :

BNA_M

ClientSampleId :

DCFZ9

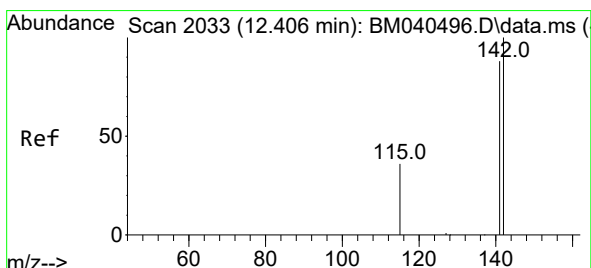
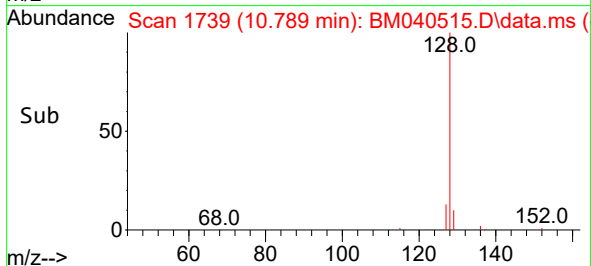
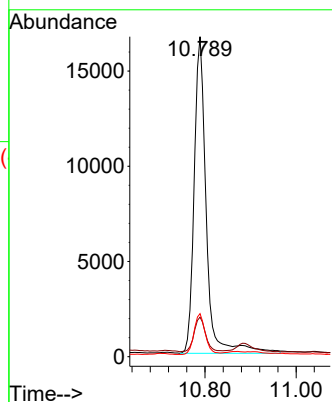
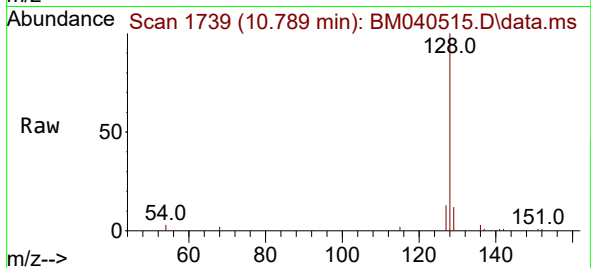
Tgt Ion:128 Resp: 30606

Ion Ratio Lower Upper

128 100

129 12.4 9.2 13.8

127 13.4 10.6 15.8



#7

2-Methylnaphthalene

Concen: 0.451 ng/ul

RT: 12.400 min Scan# 2032

Delta R.T. -0.005 min

Lab File: BM040515.D

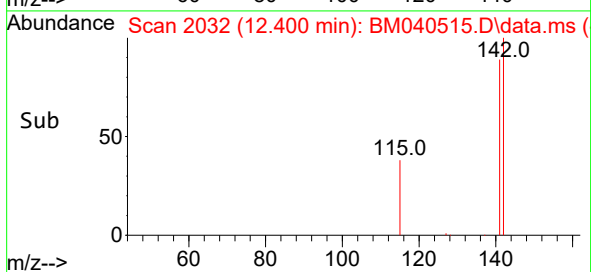
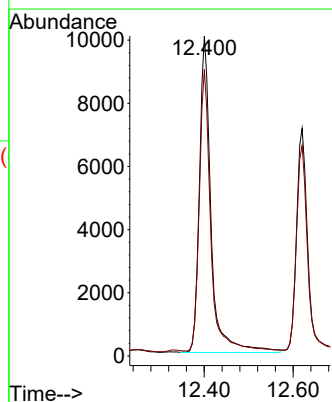
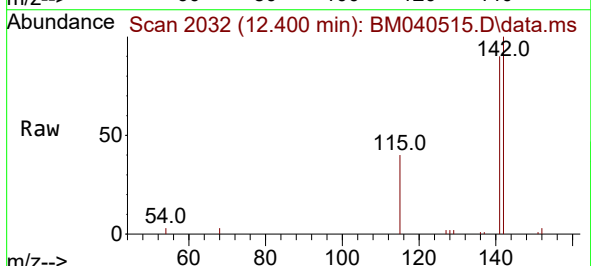
Acq: 01 Jul 2023 22:56

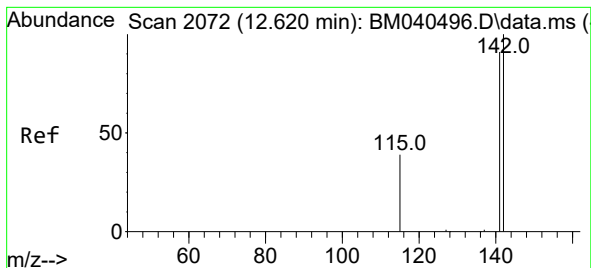
Tgt Ion:142 Resp: 18215

Ion Ratio Lower Upper

142 100

141 87.3 71.9 107.9

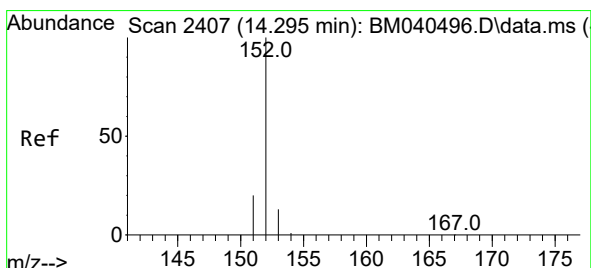
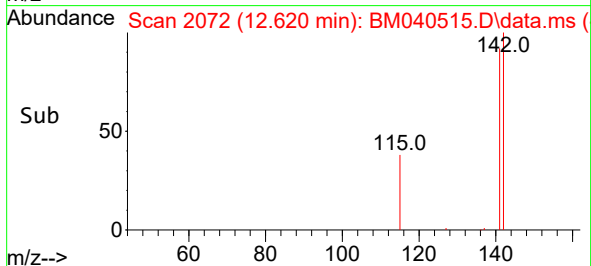
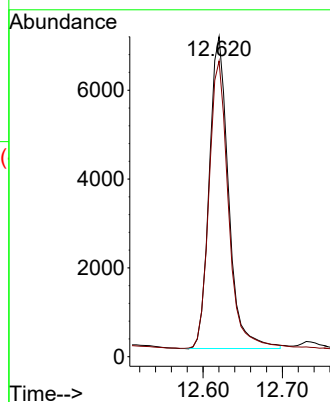
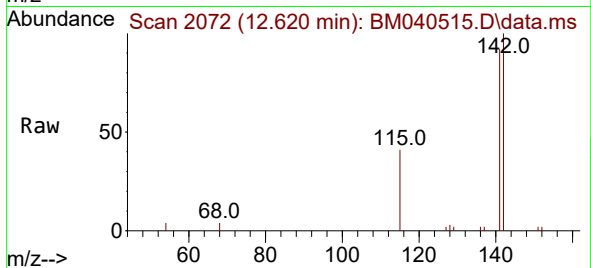




#8
1-Methylnaphthalene
Concen: 0.295 ng/ul
RT: 12.620 min Scan# 2072
Delta R.T. -0.005 min
Lab File: BM040515.D
Acq: 01 Jul 2023 22:56

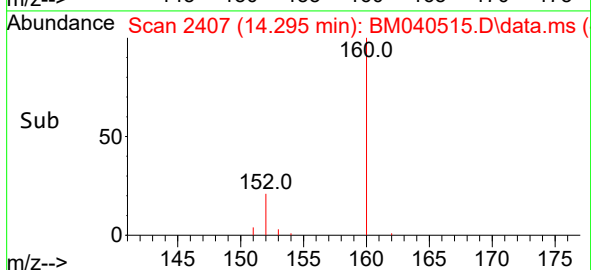
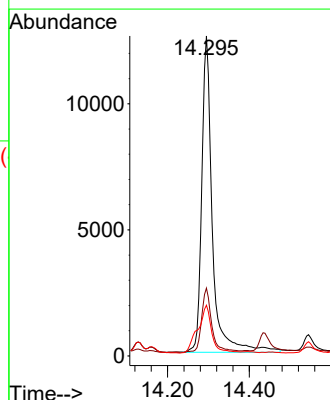
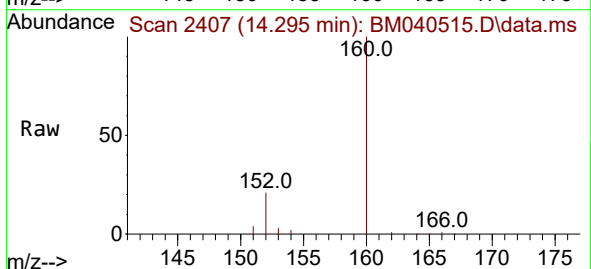
Instrument :
BNA_M
ClientSampleId :
DCFZ9

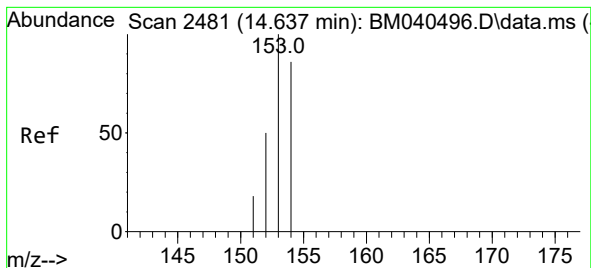
Tgt Ion:142 Resp: 11898
Ion Ratio Lower Upper
142 100
141 92.6 73.7 110.5



#10
Acenaphthylene
Concen: 0.354 ng/ul
RT: 14.295 min Scan# 2407
Delta R.T. -0.005 min
Lab File: BM040515.D
Acq: 01 Jul 2023 22:56

Tgt Ion:152 Resp: 22653
Ion Ratio Lower Upper
152 100
151 21.2 16.2 24.2
153 15.8 10.9 16.3





#11

Acenaphthene

Concen: 0.225 ng/ul

RT: 14.633 min Scan# 2481

Delta R.T. -0.009 min

Lab File: BM040515.D

Acq: 01 Jul 2023 22:56

Instrument :

BNA_M

ClientSampleId :

DCFZ9

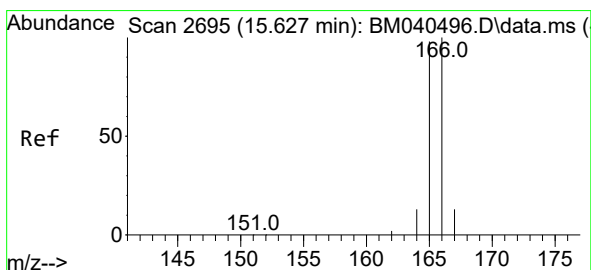
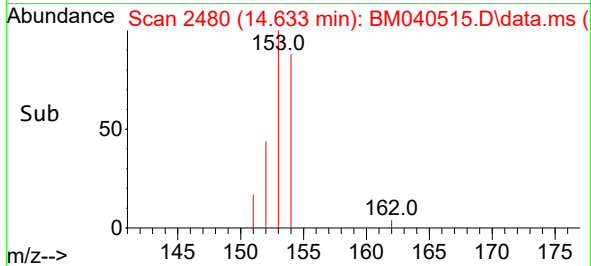
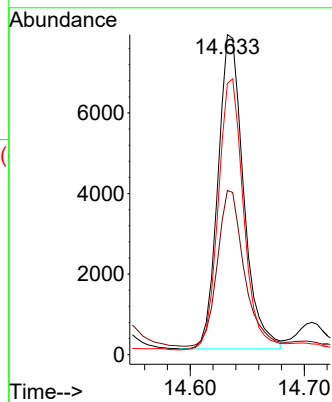
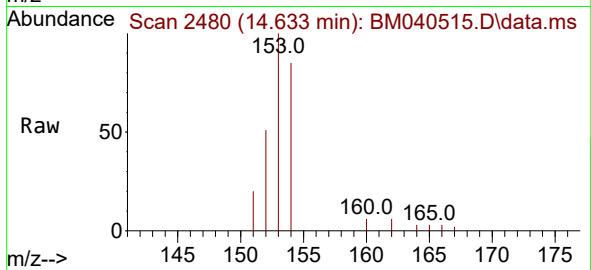
Tgt Ion:153 Resp: 12179

Ion Ratio Lower Upper

153 100

152 51.3 41.0 61.4

154 84.7 70.8 106.2



#12

Fluorene

Concen: 0.180 ng/ul

RT: 15.623 min Scan# 2694

Delta R.T. -0.009 min

Lab File: BM040515.D

Acq: 01 Jul 2023 22:56

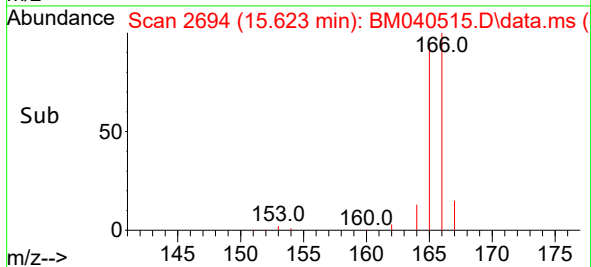
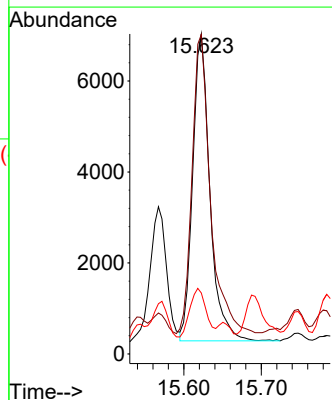
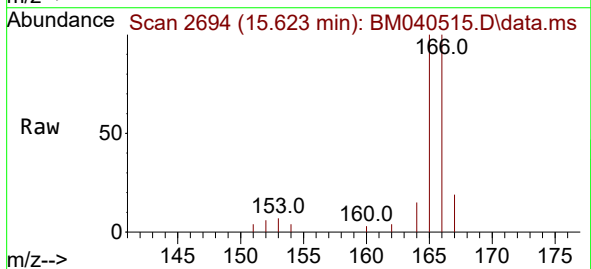
Tgt Ion:166 Resp: 10386

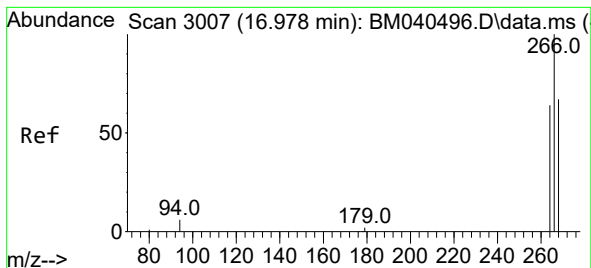
Ion Ratio Lower Upper

166 100

165 99.9 79.6 119.4

167 19.1 11.4 17.0#





#14

Pentachlorophenol

Concen: 0.026 ng/ul

RT: 16.978 min Scan# 3007

Delta R.T. -0.004 min

Lab File: BM040515.D

Acq: 01 Jul 2023 22:56

Instrument :

BNA_M

ClientSampleId :

DCFZ9

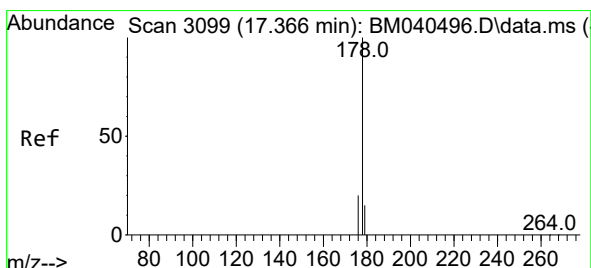
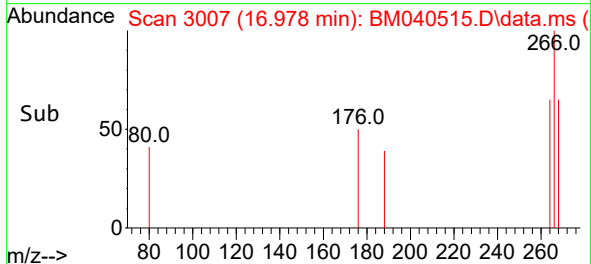
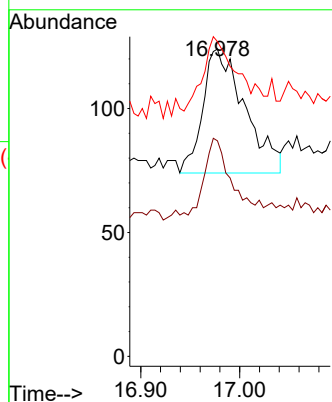
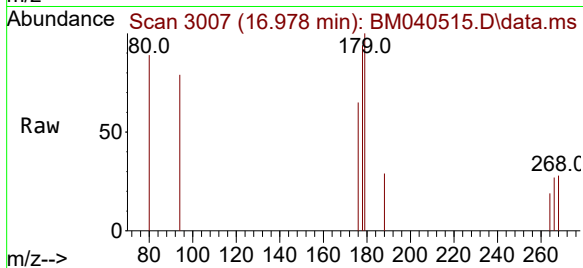
Tgt Ion:266 Resp: 148

Ion Ratio Lower Upper

266 100

264 43.2 45.4 68.0#

268 53.4 47.2 70.8



#15

Phenanthrene

Concen: 2.673 ng/ul

RT: 17.362 min Scan# 3098

Delta R.T. -0.008 min

Lab File: BM040515.D

Acq: 01 Jul 2023 22:56

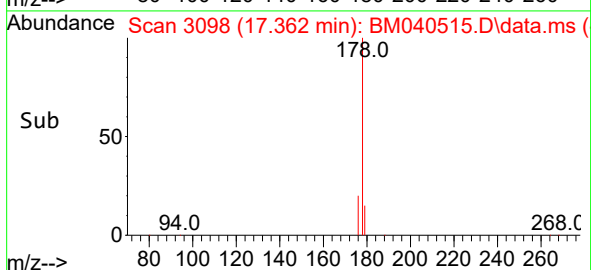
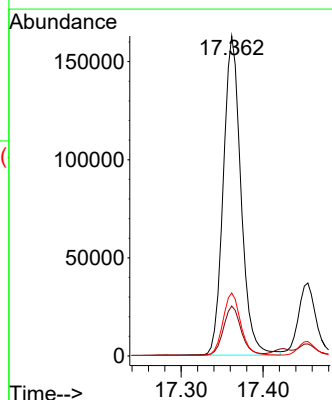
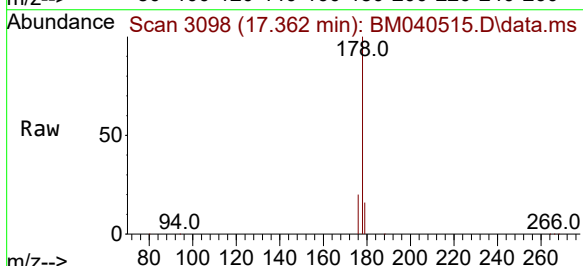
Tgt Ion:178 Resp: 243361

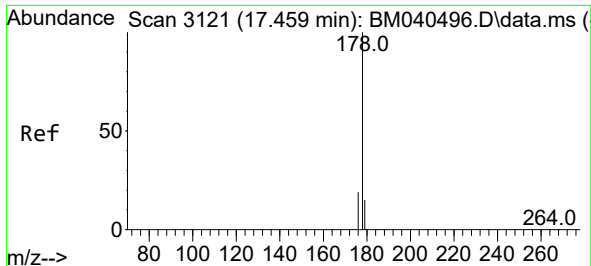
Ion Ratio Lower Upper

178 100

179 15.6 12.8 19.2

176 19.7 16.4 24.6

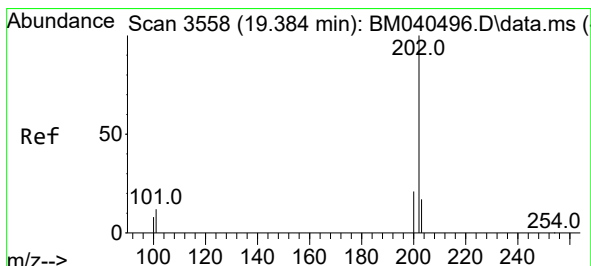
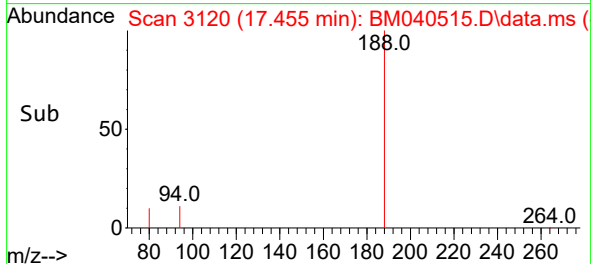
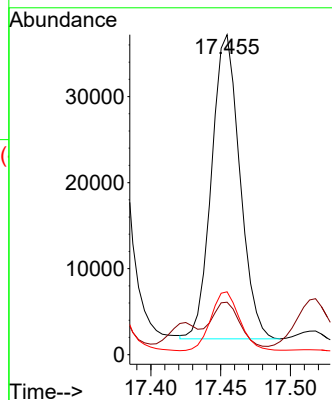
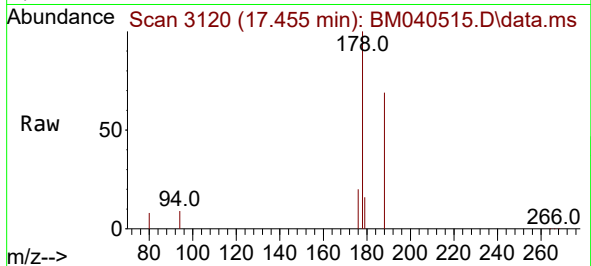




#16
 Anthracene
 Concen: 0.651 ng/ul
 RT: 17.455 min Scan# 3120
 Delta R.T. -0.008 min
 Lab File: BM040515.D
 Acq: 01 Jul 2023 22:56

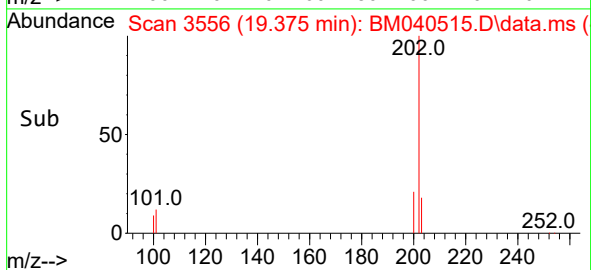
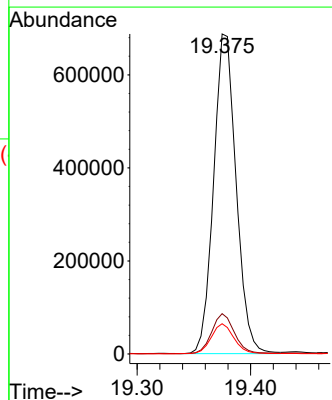
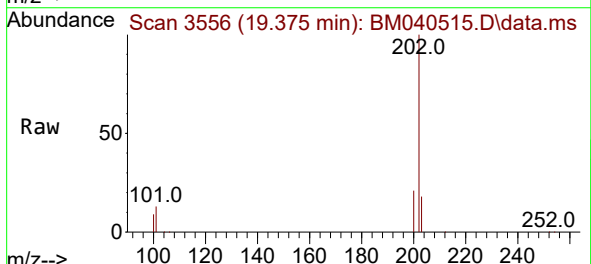
Instrument :
 BNA_M
 ClientSampleId :
 DCFZ9

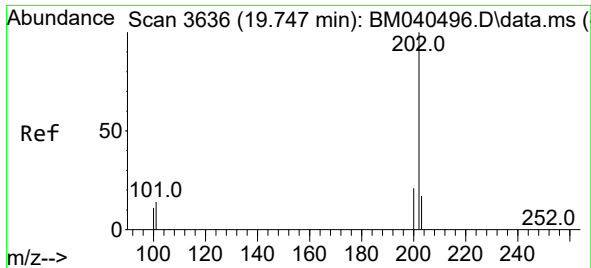
Tgt Ion:	178	Resp:	49802
Ion Ratio	Lower	Upper	
178	100		
179	16.4	12.9	19.3
176	19.7	15.8	23.6



#19
 Fluoranthene
 Concen: 12.127 ng/ul
 RT: 19.375 min Scan# 3556
 Delta R.T. -0.009 min
 Lab File: BM040515.D
 Acq: 01 Jul 2023 22:56

Tgt Ion:	202	Resp:	946997
Ion Ratio	Lower	Upper	
202	100		
101	12.6	11.4	17.0
100	9.4	8.7	13.1

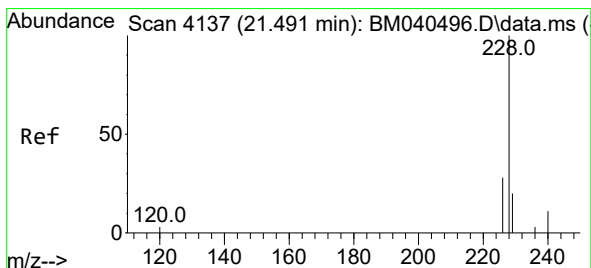
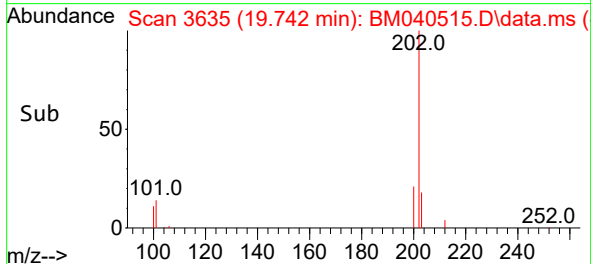
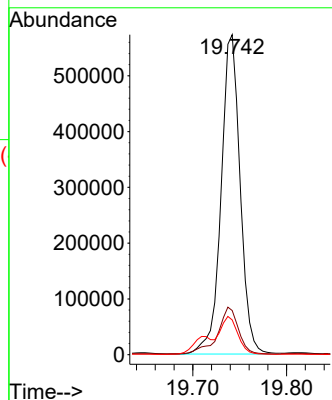
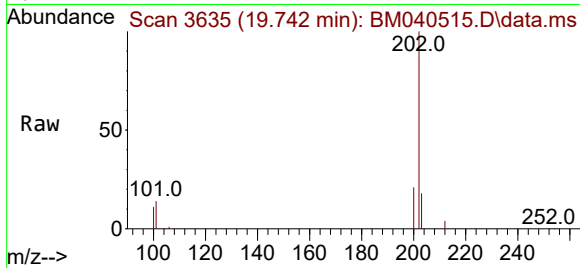




#20
Pyrene
Concen: 9.650 ng/ul
RT: 19.742 min Scan# 30
Delta R.T. -0.005 min
Lab File: BM040515.D
Acq: 01 Jul 2023 22:56

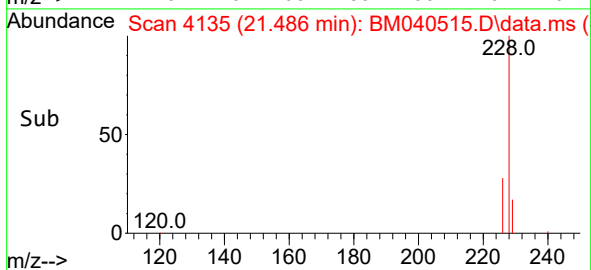
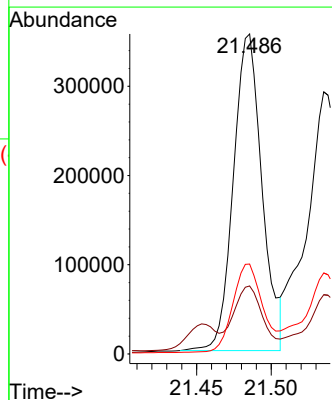
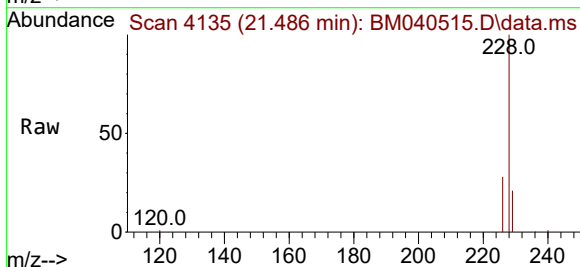
Instrument :
BNA_M
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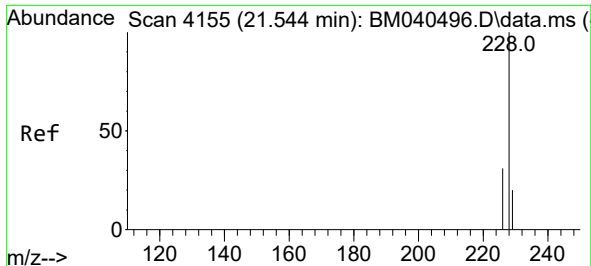
Tgt Ion:202 Resp: 807928
Ion Ratio Lower Upper
202 100
101 13.8 12.6 18.8
100 10.9 9.8 14.6



#21
Benzo(a)anthracene
Concen: 7.617 ng/ul
RT: 21.486 min Scan# 4135
Delta R.T. -0.006 min
Lab File: BM040515.D
Acq: 01 Jul 2023 22:56

Tgt Ion:228 Resp: 473635
Ion Ratio Lower Upper
228 100
229 21.3 16.0 24.0
226 28.1 22.3 33.5





#22

Chrysene

Concen: 6.565 ng/ul

RT: 21.535 min Scan# 41

Delta R.T. -0.009 min

Lab File: BM040515.D

Acq: 01 Jul 2023 22:56

Instrument :

BNA_M

ClientSampleId :

DCFZ9

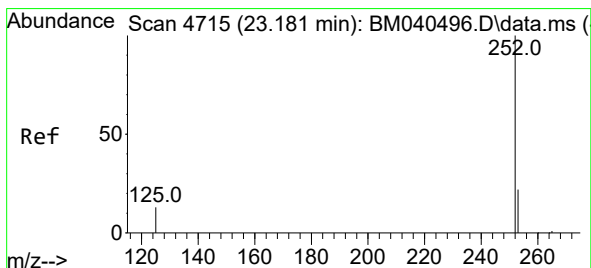
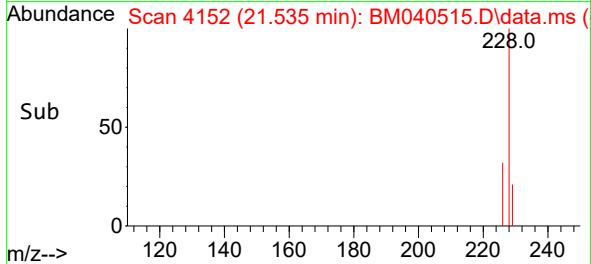
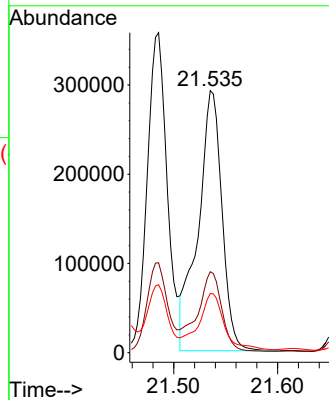
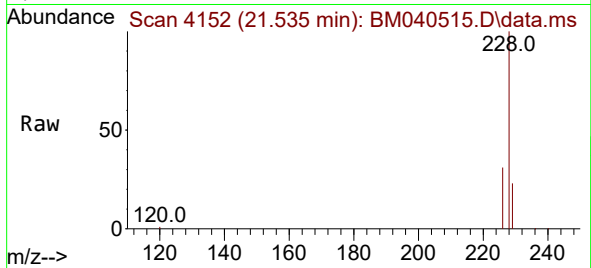
Tgt Ion:228 Resp: 465682

Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

229 22.6 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 11.904 ng/ul

RT: 23.175 min Scan# 4713

Delta R.T. -0.006 min

Lab File: BM040515.D

Acq: 01 Jul 2023 22:56

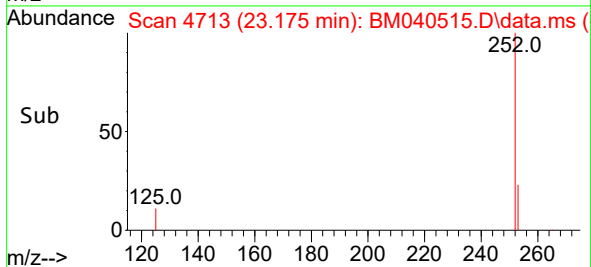
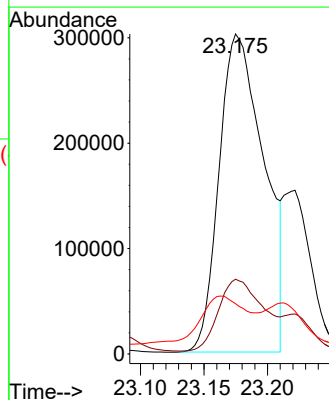
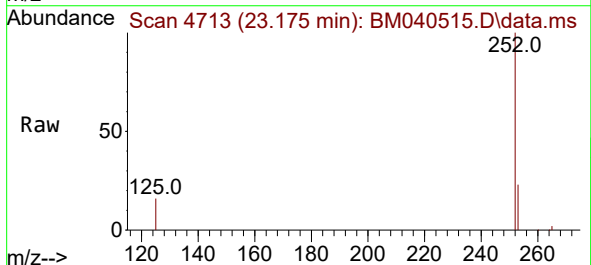
Tgt Ion:252 Resp: 740985

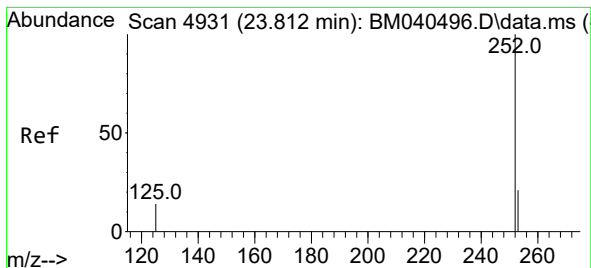
Ion Ratio Lower Upper

252 100

253 23.4 0.0 52.8

125 15.7 0.0 43.0





#26

Benzo(a)pyrene

Concen: 6.662 ng/ul

RT: 23.803 min Scan# 4931

Delta R.T. -0.009 min

Lab File: BM040515.D

Acq: 01 Jul 2023 22:56

Instrument :

BNA_M

ClientSampleId :

DCFZ9

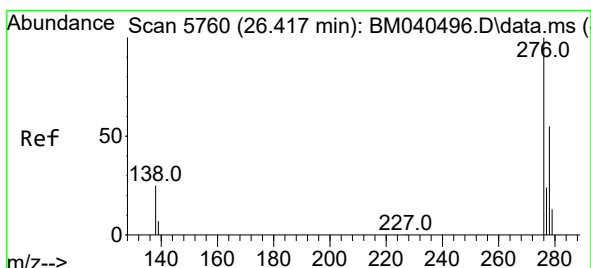
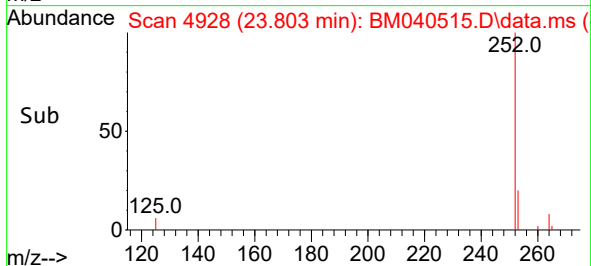
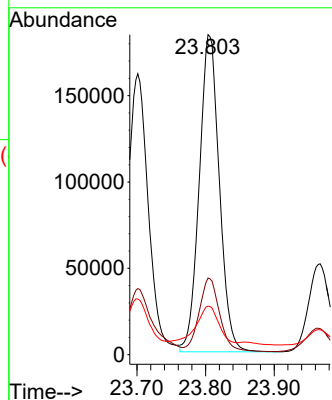
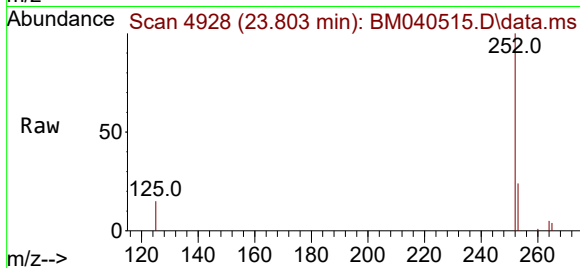
Tgt Ion:252 Resp: 373564

Ion Ratio Lower Upper

252 100

253 23.9 22.9 34.3

125 15.1 21.0 31.4#



#27

Indeno(1,2,3-cd)pyrene

Concen: 3.994 ng/ul

RT: 26.414 min Scan# 5759

Delta R.T. -0.007 min

Lab File: BM040515.D

Acq: 01 Jul 2023 22:56

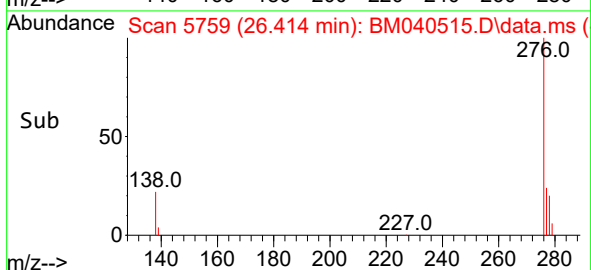
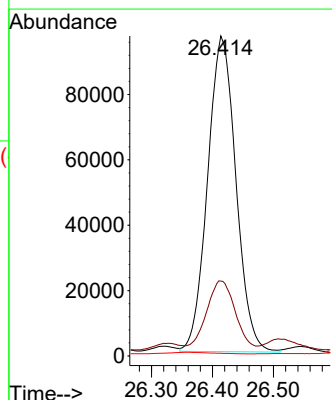
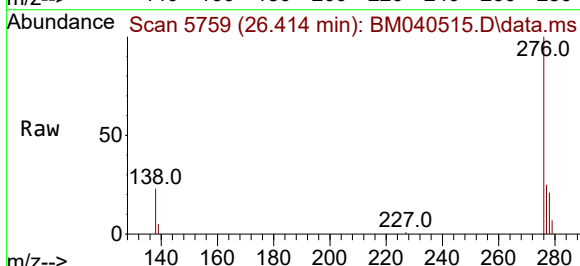
Tgt Ion:276 Resp: 311927

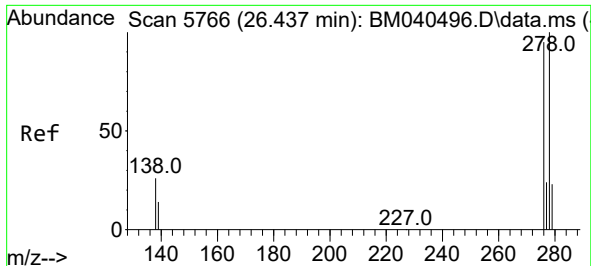
Ion Ratio Lower Upper

276 100

138 22.2 24.5 36.7#

227 0.0 0.1 0.1#

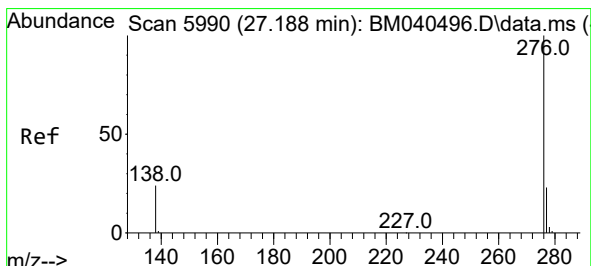
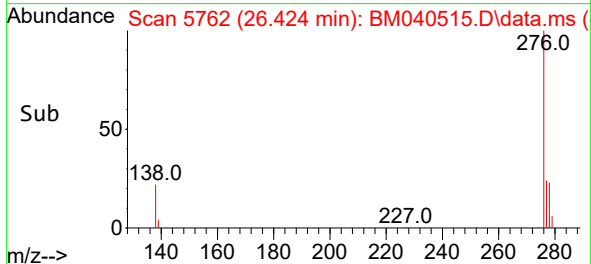
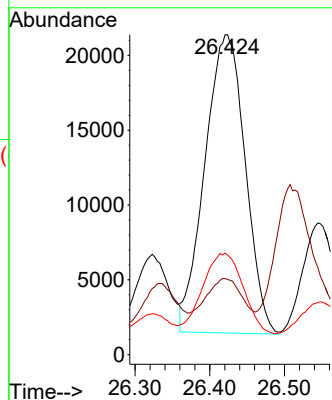
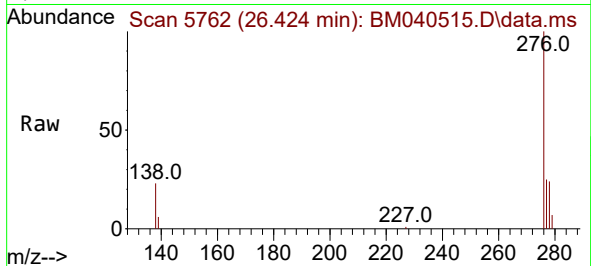




#28
Dibenzo(a,h)anthracene
Concen: 1.223 ng/ul
RT: 26.424 min Scan# 51
Delta R.T. -0.013 min
Lab File: BM040515.D
Acq: 01 Jul 2023 22:56

Instrument :
BNA_M
ClientSampleId :
DCFZ9

Tgt Ion:278 Resp: 74801
Ion Ratio Lower Upper
278 100
139 23.5 17.9 26.9
279 31.2 22.0 33.0



#29
Benzo(g,h,i)perylene
Concen: 4.250 ng/ul
RT: 27.192 min Scan# 5991
Delta R.T. 0.007 min
Lab File: BM040515.D
Acq: 01 Jul 2023 22:56

Tgt Ion:276 Resp: 290923
Ion Ratio Lower Upper
276 100
138 24.2 23.0 34.6
277 24.4 20.3 30.5

