

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061923\
 Data File : BM040315.D
 Acq On : 19 Jun 2023 15:29
 Operator : MA/JU
 Sample : 03080-18
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFJ7

Quant Time: Jun 20 00:13:27 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)

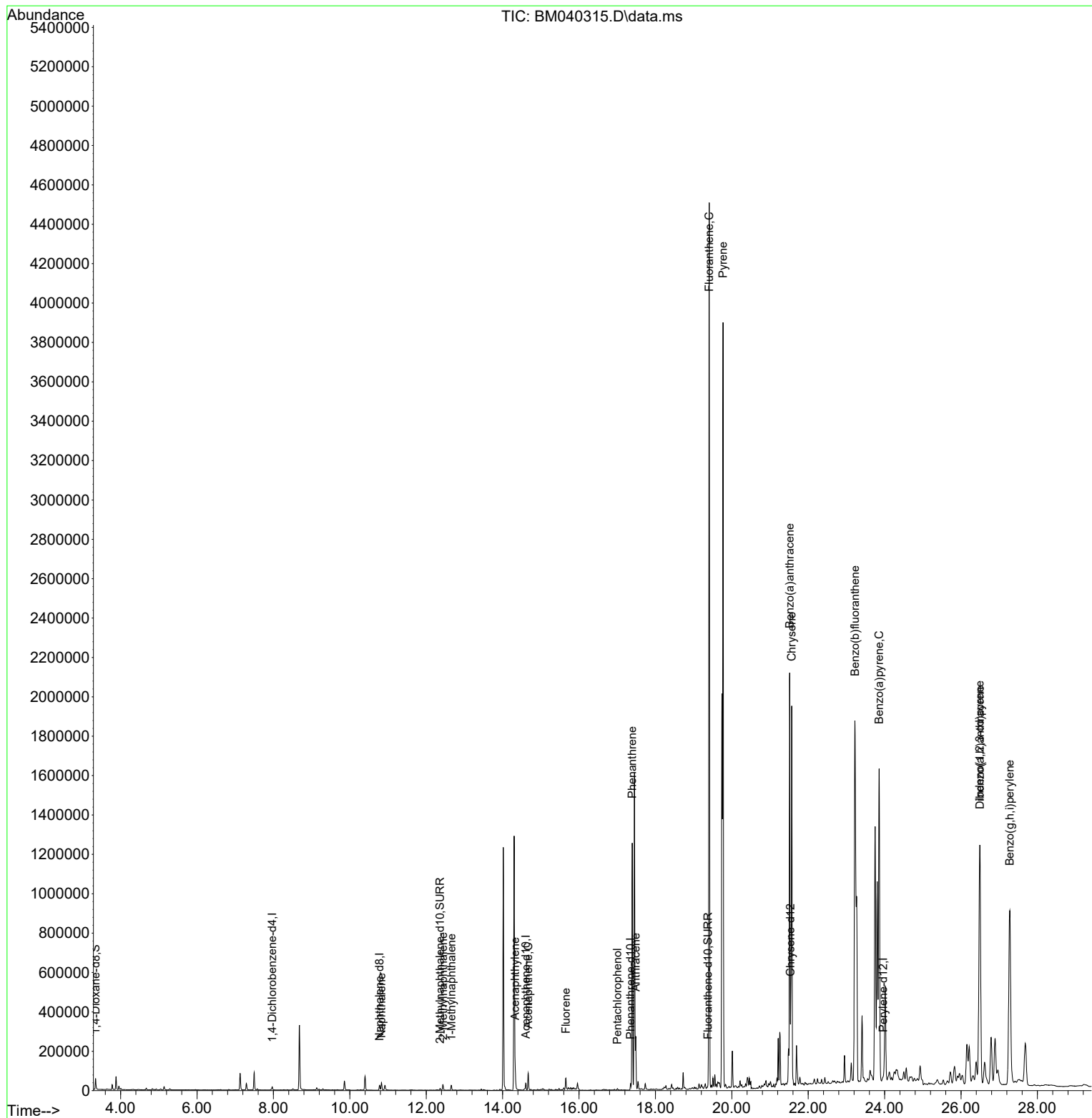
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.970	152	8260	0.400	ng/ul	0.00
4) Naphthalene-d8	10.778	136	32328	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.610	164	19569	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.349	188	37162	0.400	ng/ul	0.00
17) Chrysene-d12	21.533	240	22667	0.400	ng/ul	# 0.00
23) Perylene-d12	23.962	264	32097	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.346	96	34543	3.387	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.362	152	10935	0.267	ng/ul	-0.01
18) Fluoranthene-d10	19.375	212	20727	0.367	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.828	128	49540	0.647	ng/ul	100
7) 2-Methylnaphthalene	12.439	142	20542	0.432	ng/ul	100
8) 1-Methylnaphthalene	12.659	142	17493	0.351	ng/ul	100
10) Acenaphthylene	14.328	152	123516	1.804	ng/ul	99
11) Acenaphthene	14.670	153	49457	0.843	ng/ul	99
12) Fluorene	15.655	166	38130	0.583	ng/ul	99
14) Pentachlorophenol	17.003	266	4460	0.588	ng/ul	98
15) Phenanthrene	17.392	178	1281630	13.117	ng/ul	99
16) Anthracene	17.485	178	269371	3.254	ng/ul	99
19) Fluoranthene	19.408	202	3634960	47.078	ng/ul	97
20) Pyrene	19.770	202	3035018	37.832	ng/ul	97
21) Benzo(a)anthracene	21.515	228	1731373	25.878	ng/ul	98
22) Chrysene	21.568	228	1852105	26.205	ng/ul	97
24) Benzo(b)fluoranthene	23.222	252	3255055	27.510	ng/ul	90
26) Benzo(a)pyrene	23.856	252	2307547	23.766	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	26.491	276	2067678	16.824	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.498	278	539267	5.466	ng/ul	96
29) Benzo(g,h,i)perylene	27.276	276	2070642	20.172	ng/ul	96

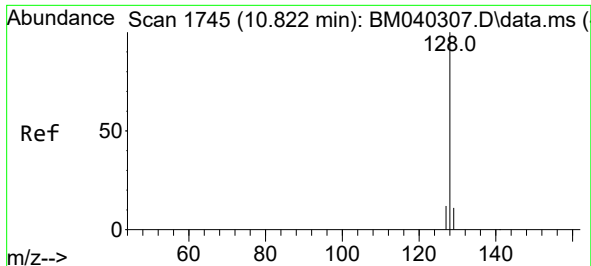
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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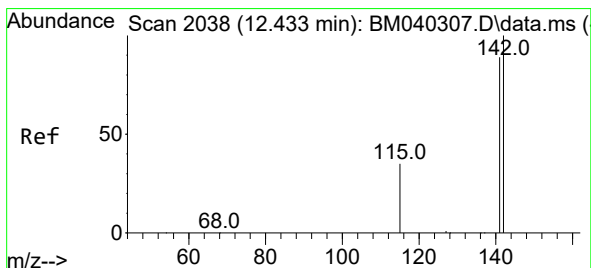
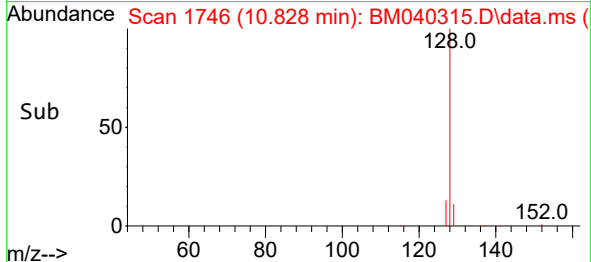
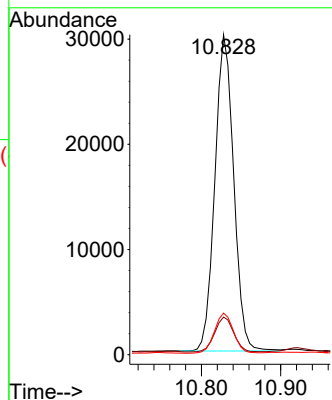
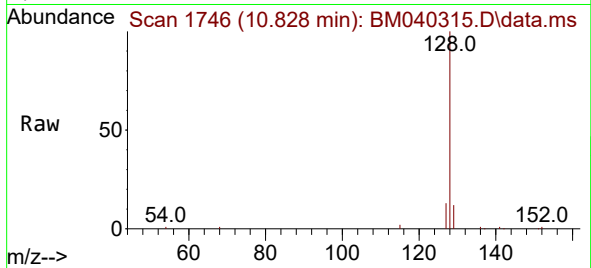




#5
Naphthalene
Concen: 0.647 ng/ul
RT: 10.828 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BM040315.D
Acq: 19 Jun 2023 15:29

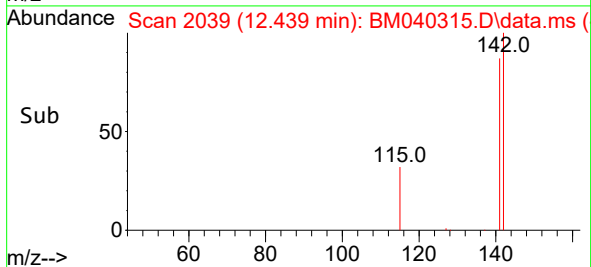
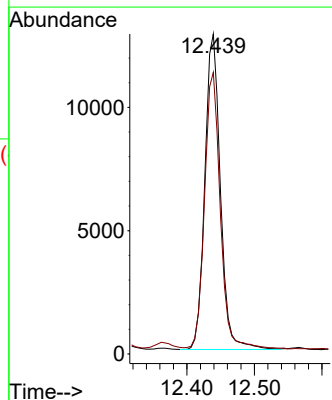
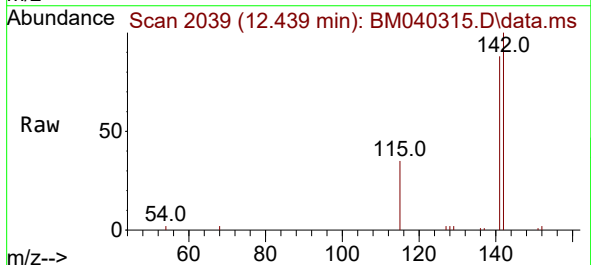
Instrument :
BNA_M
ClientSampleId :
DCFJ7

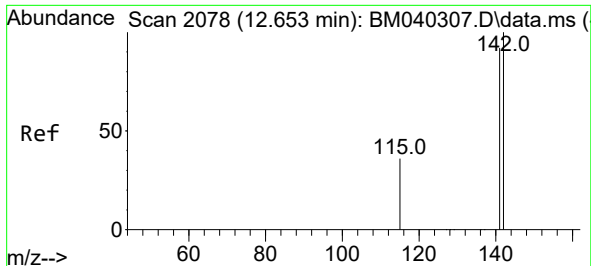
Tgt Ion:128 Resp: 49540
Ion Ratio Lower Upper
128 100
129 11.8 9.1 13.7
127 13.0 10.4 15.6



#7
2-Methylnaphthalene
Concen: 0.432 ng/ul
RT: 12.439 min Scan# 2039
Delta R.T. -0.005 min
Lab File: BM040315.D
Acq: 19 Jun 2023 15:29

Tgt Ion:142 Resp: 20542
Ion Ratio Lower Upper
142 100
141 88.6 70.6 106.0

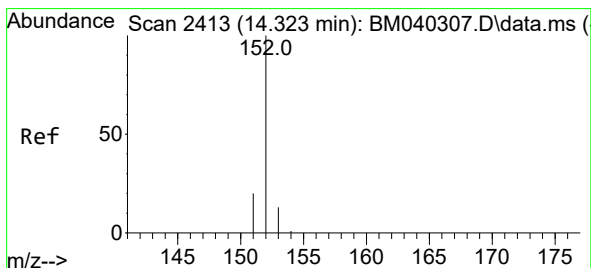
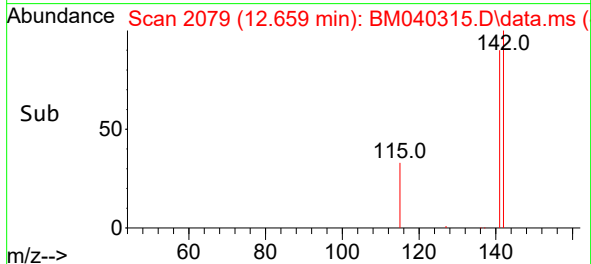
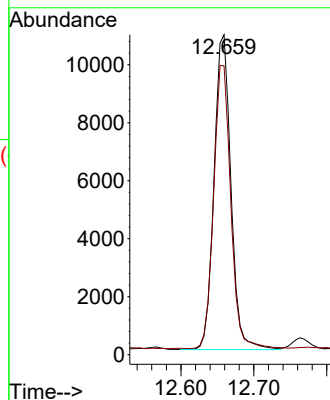
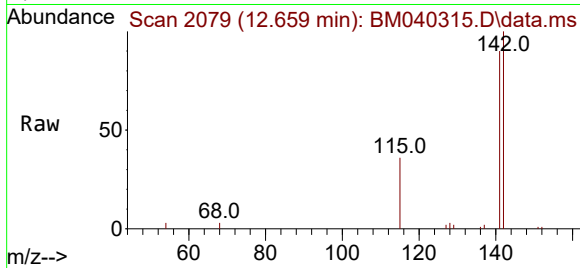




#8
1-Methylnaphthalene
Concen: 0.351 ng/ul
RT: 12.659 min Scan# 2078
Delta R.T. -0.005 min
Lab File: BM040315.D
Acq: 19 Jun 2023 15:29

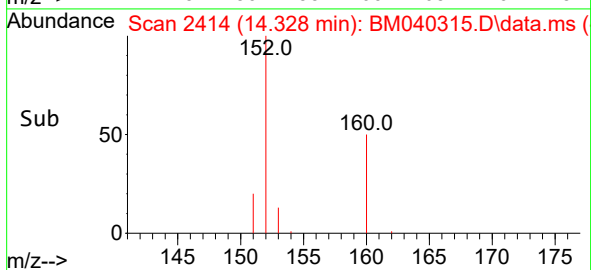
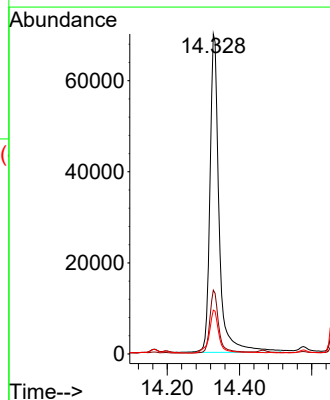
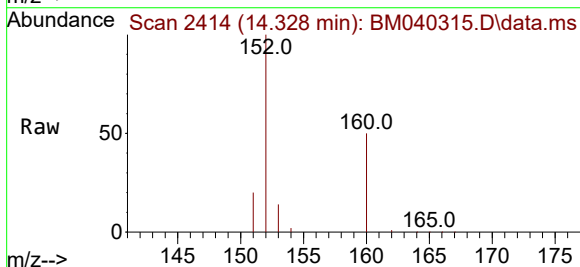
Instrument :
BNA_M
ClientSampleId :
DCFJ7

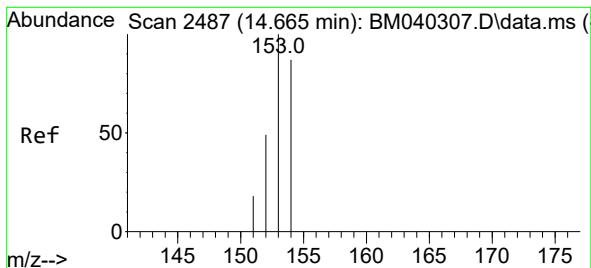
Tgt Ion:142 Resp: 17493
Ion Ratio Lower Upper
142 100
141 91.3 73.0 109.4



#10
Acenaphthylene
Concen: 1.804 ng/ul
RT: 14.328 min Scan# 2414
Delta R.T. -0.004 min
Lab File: BM040315.D
Acq: 19 Jun 2023 15:29

Tgt Ion:152 Resp: 123516
Ion Ratio Lower Upper
152 100
151 19.9 16.3 24.5
153 13.7 10.7 16.1





#11

Acenaphthene

Concen: 0.843 ng/ul

RT: 14.670 min Scan# 2487

Delta R.T. -0.004 min

Lab File: BM040315.D

Acq: 19 Jun 2023 15:29

Instrument :

BNA_M

ClientSampleId :

DCFJ7

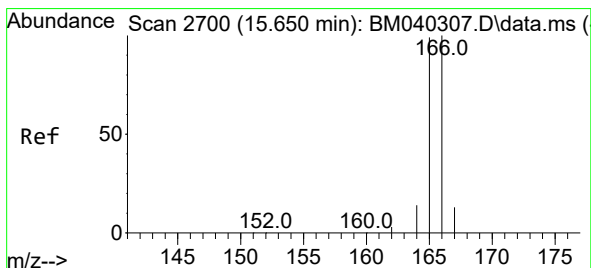
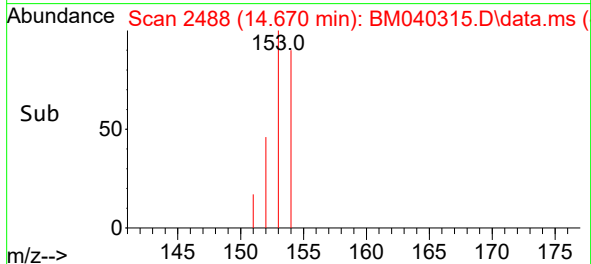
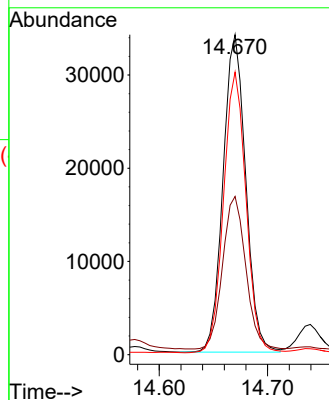
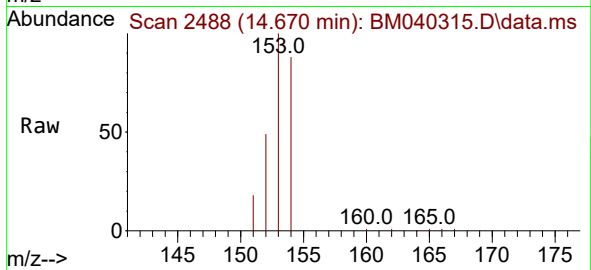
Tgt Ion:153 Resp: 49457

Ion Ratio Lower Upper

153 100

152 49.5 40.3 60.5

154 88.3 70.5 105.7



#12

Fluorene

Concen: 0.583 ng/ul

RT: 15.655 min Scan# 2701

Delta R.T. -0.004 min

Lab File: BM040315.D

Acq: 19 Jun 2023 15:29

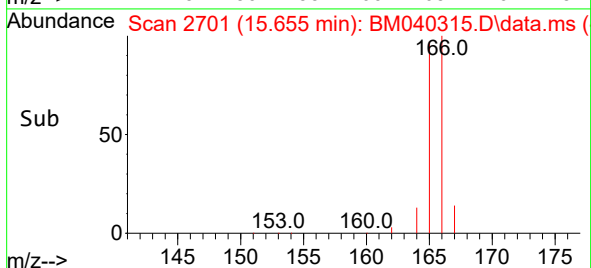
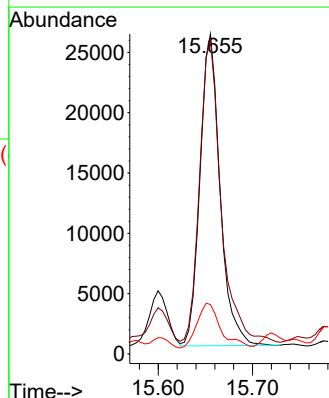
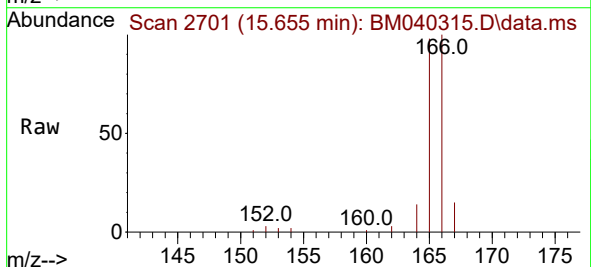
Tgt Ion:166 Resp: 38130

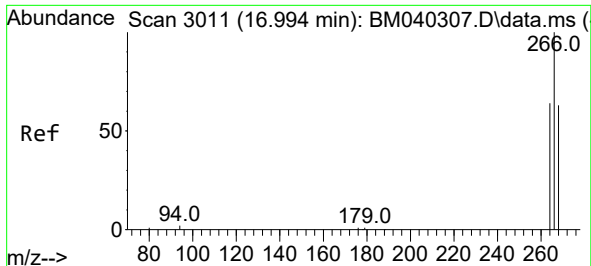
Ion Ratio Lower Upper

166 100

165 98.4 78.2 117.4

167 15.4 11.0 16.4

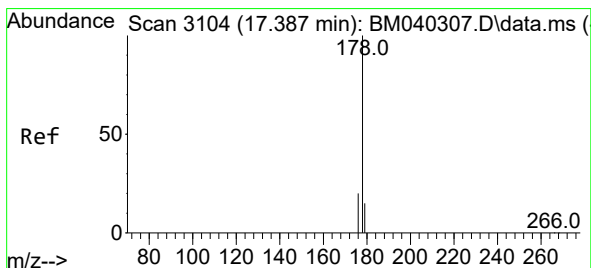
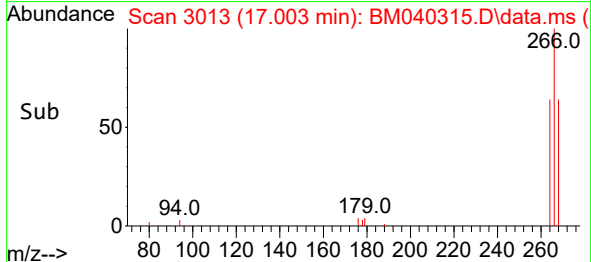
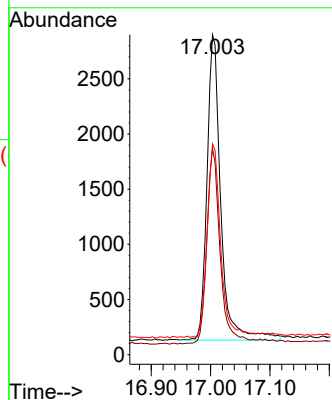
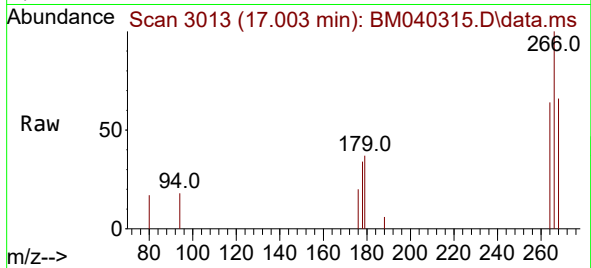




#14
 Pentachlorophenol
 Concen: 0.588 ng/ul
 RT: 17.003 min Scan# 3013
 Delta R.T. -0.004 min
 Lab File: BM040315.D
 Acq: 19 Jun 2023 15:29

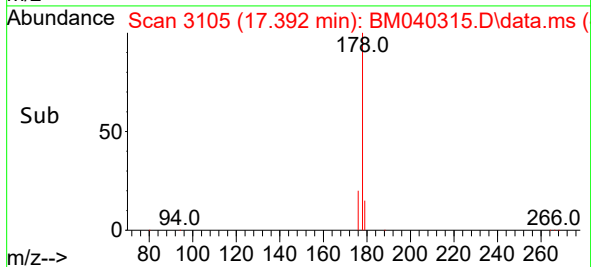
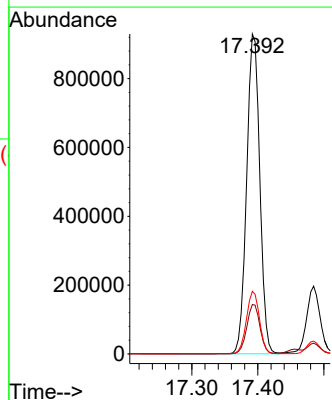
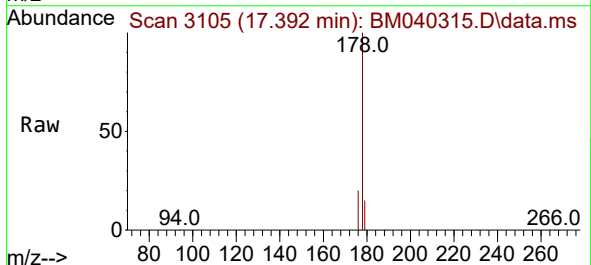
Instrument :
 BNA_M
 ClientSampleId :
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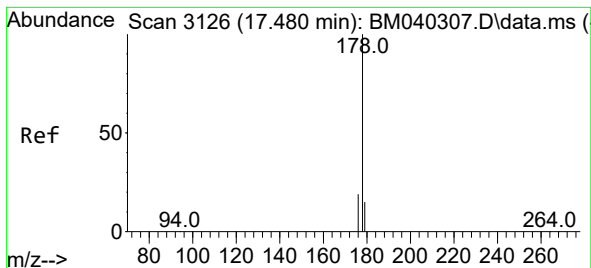
Tgt Ion:266 Resp: 4460
 Ion Ratio Lower Upper
 266 100
 264 63.9 49.4 74.0
 268 63.9 51.3 76.9



#15
 Phenanthrene
 Concen: 13.117 ng/ul
 RT: 17.392 min Scan# 3105
 Delta R.T. -0.004 min
 Lab File: BM040315.D
 Acq: 19 Jun 2023 15:29

Tgt Ion:178 Resp: 1281630
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.6 19.0
 176 19.6 16.1 24.1





#16

Anthracene

Concen: 3.254 ng/ul

RT: 17.485 min Scan# 3126

Delta R.T. -0.004 min

Lab File: BM040315.D

Acq: 19 Jun 2023 15:29

Instrument :

BNA_M

ClientSampleId :

DCFJ7

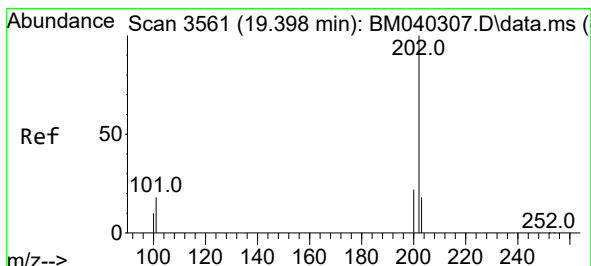
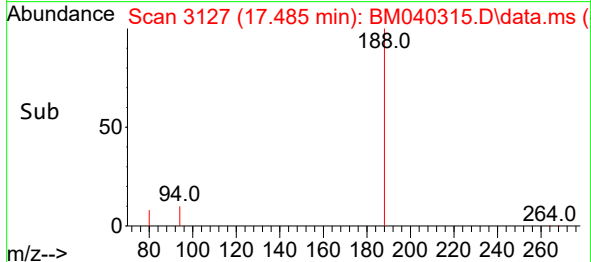
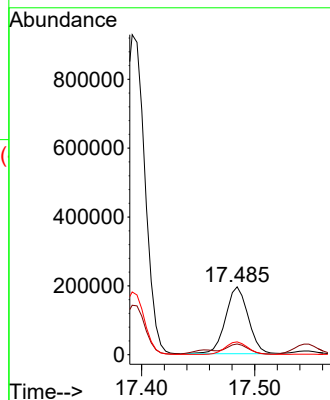
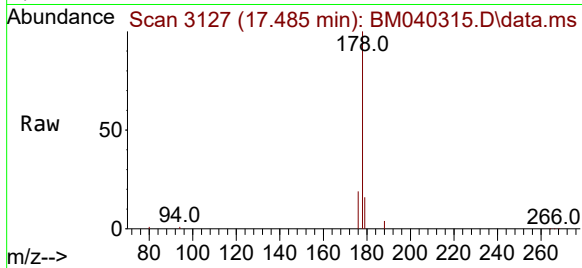
Tgt Ion:178 Resp: 269371

Ion Ratio Lower Upper

178 100

179 15.8 13.0 19.4

176 18.9 15.5 23.3



#19

Fluoranthene

Concen: 47.078 ng/ul

RT: 19.408 min Scan# 3563

Delta R.T. 0.000 min

Lab File: BM040315.D

Acq: 19 Jun 2023 15:29

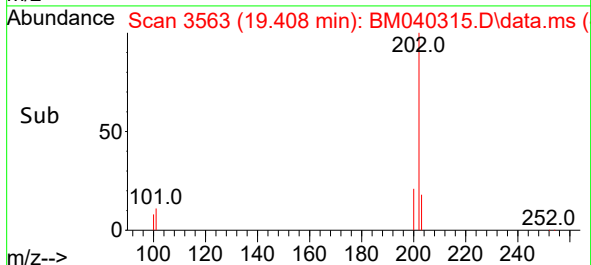
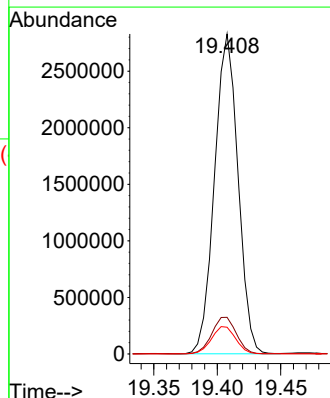
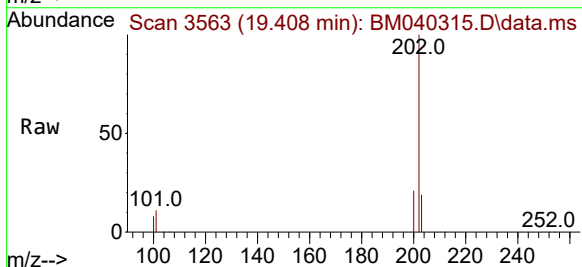
Tgt Ion:202 Resp: 3634960

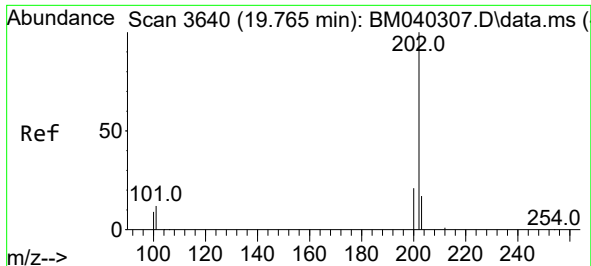
Ion Ratio Lower Upper

202 100

101 11.5 10.2 15.4

100 8.4 7.6 11.4

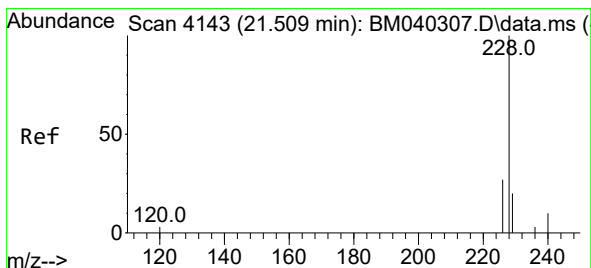
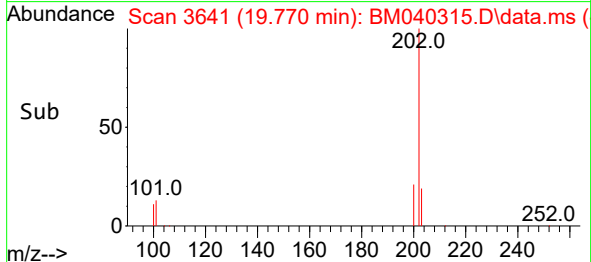
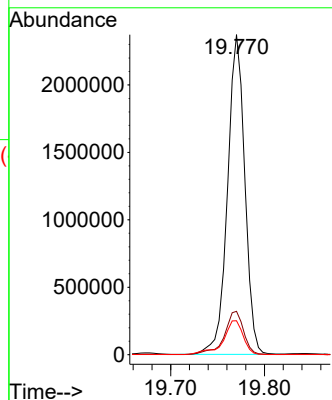
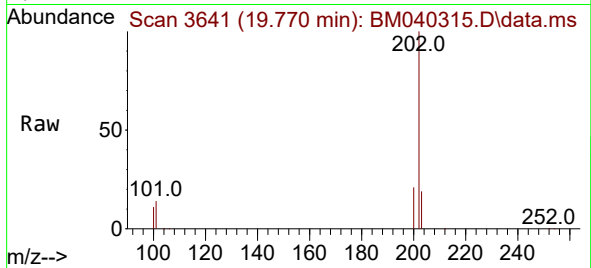




#20
Pyrene
Concen: 37.832 ng/ul
RT: 19.770 min Scan# 30
Delta R.T. 0.000 min
Lab File: BM040315.D
Acq: 19 Jun 2023 15:29

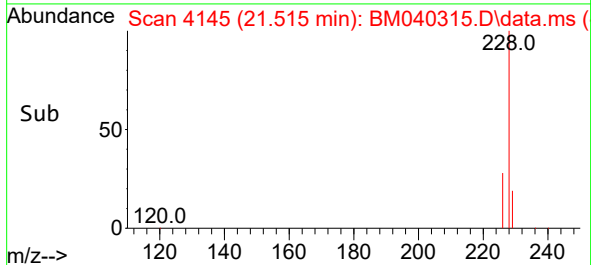
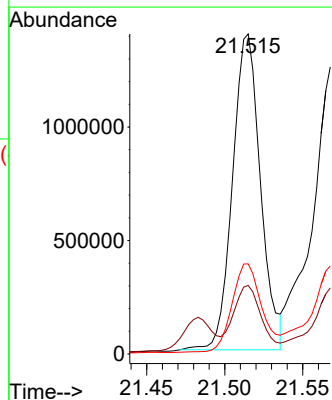
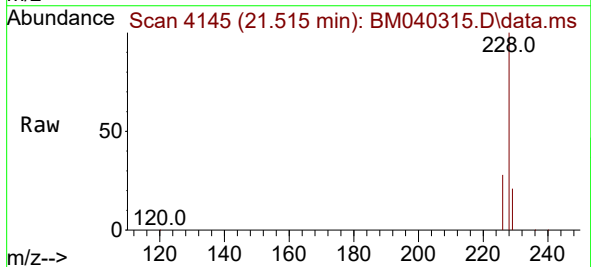
Instrument :
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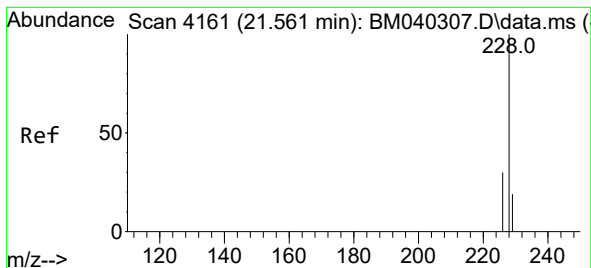
Tgt Ion:202 Resp: 3035018
Ion Ratio Lower Upper
202 100
101 13.5 11.8 17.8
100 10.6 9.3 13.9



#21
Benzo(a)anthracene
Concen: 25.878 ng/ul
RT: 21.515 min Scan# 4145
Delta R.T. 0.000 min
Lab File: BM040315.D
Acq: 19 Jun 2023 15:29

Tgt Ion:228 Resp: 1731373
Ion Ratio Lower Upper
228 100
229 21.4 15.8 23.8
226 28.2 22.0 33.0





#22

Chrysene

Concen: 26.205 ng/ul

RT: 21.568 min Scan# 4163

Delta R.T. -0.003 min

Lab File: BM040315.D

Acq: 19 Jun 2023 15:29

Instrument :

BNA_M

ClientSampleId :

DCFJ7

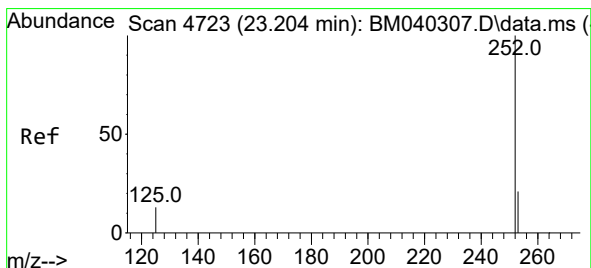
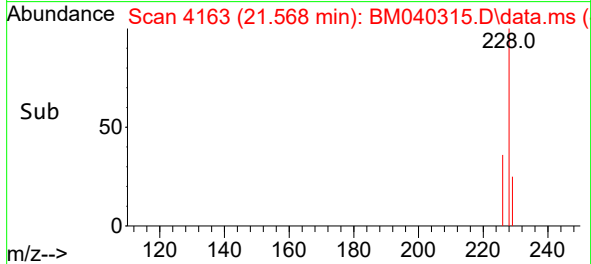
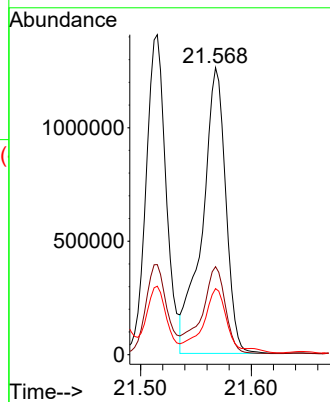
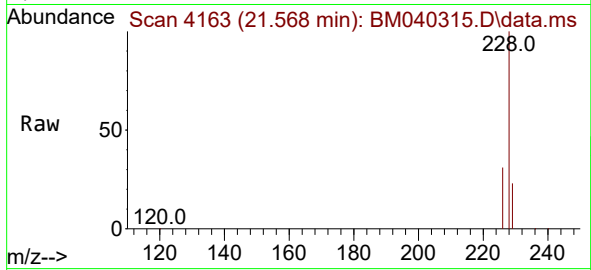
Tgt Ion:228 Resp: 1852105

Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 23.0 15.7 23.5



#24

Benzo(b)fluoranthene

Concen: 27.510 ng/ul

RT: 23.222 min Scan# 4729

Delta R.T. 0.006 min

Lab File: BM040315.D

Acq: 19 Jun 2023 15:29

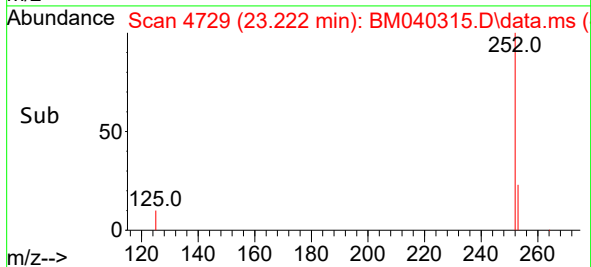
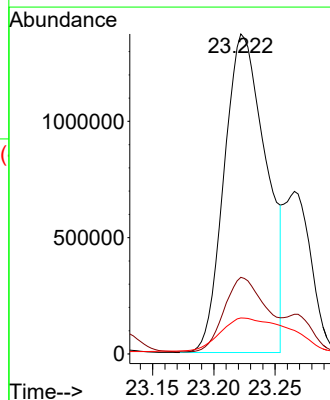
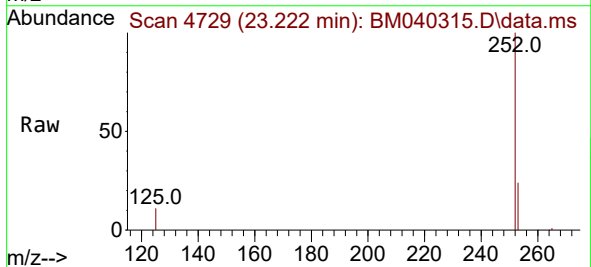
Tgt Ion:252 Resp: 3255055

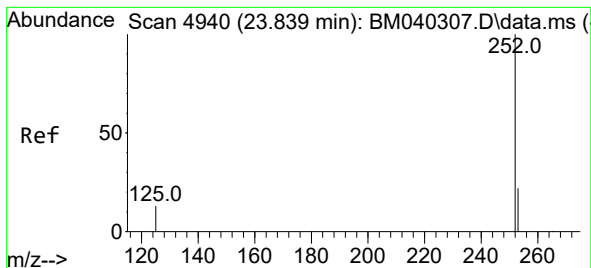
Ion Ratio Lower Upper

252 100

253 23.9 0.0 52.4

125 11.2 0.0 38.4





#26

Benzo(a)pyrene

Concen: 23.766 ng/ul

RT: 23.856 min Scan# 4940

Delta R.T. 0.006 min

Lab File: BM040315.D

Acq: 19 Jun 2023 15:29

Instrument :

BNA_M

ClientSampleId :

DCFJ7

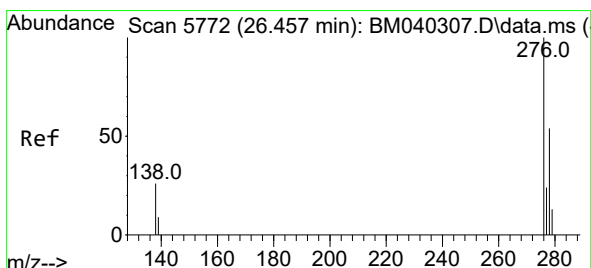
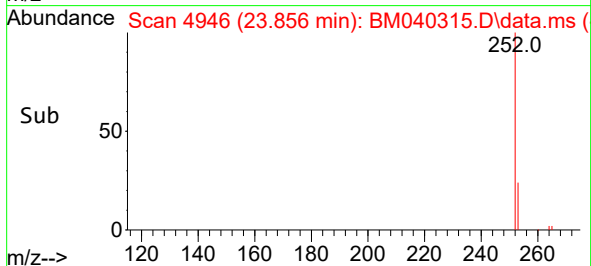
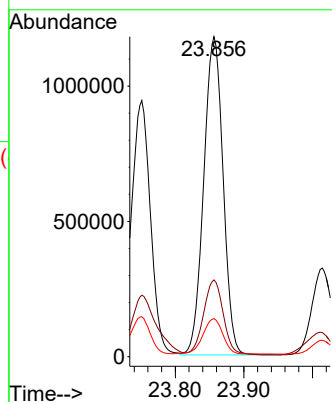
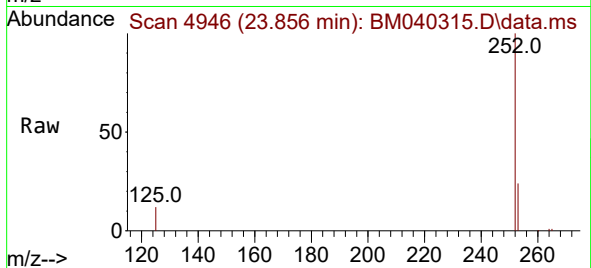
Tgt Ion:252 Resp: 2307547

Ion Ratio Lower Upper

252 100

253 24.0 23.4 35.0

125 11.9 19.7 29.5#



#27

Indeno(1,2,3-cd)pyrene

Concen: 16.824 ng/ul

RT: 26.491 min Scan# 5782

Delta R.T. 0.014 min

Lab File: BM040315.D

Acq: 19 Jun 2023 15:29

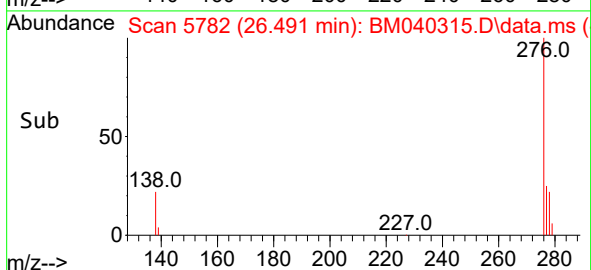
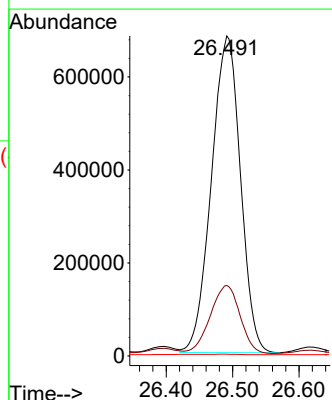
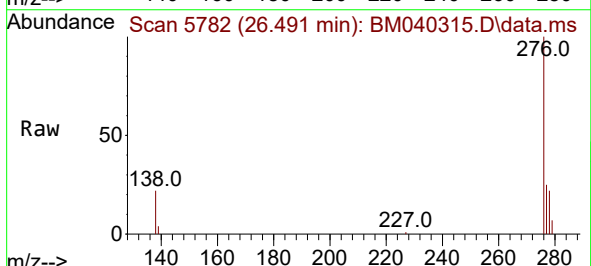
Tgt Ion:276 Resp: 2067678

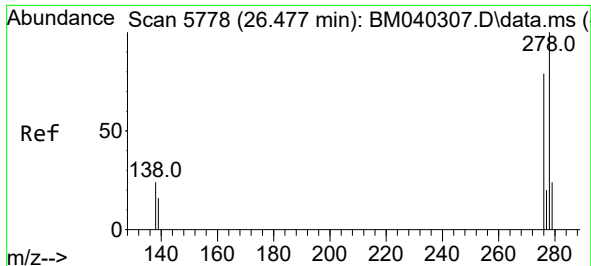
Ion Ratio Lower Upper

276 100

138 21.9 23.3 34.9#

227 0.4 0.1 0.1#

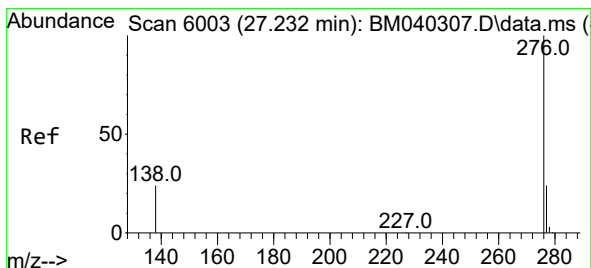
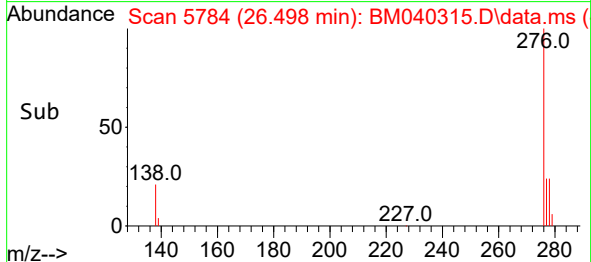
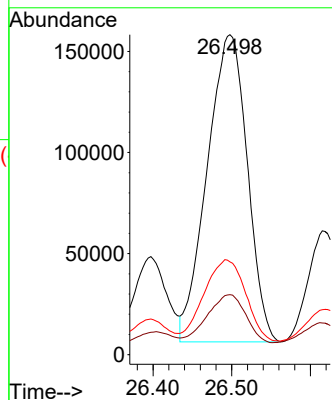
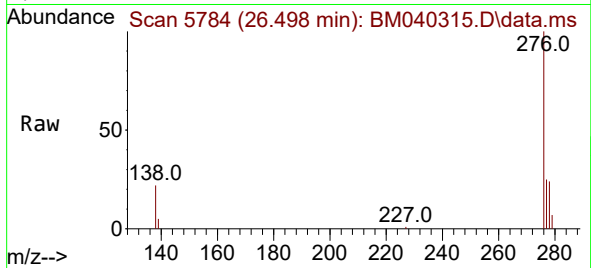




#28
Dibenzo(a,h)anthracene
Concen: 5.466 ng/ul
RT: 26.498 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM040315.D
Acq: 19 Jun 2023 15:29

Instrument :
BNA_M
ClientSampleId :
DCFJ7

Tgt Ion:278 Resp: 539267
Ion Ratio Lower Upper
278 100
139 18.7 16.4 24.6
279 29.0 21.8 32.8



#29
Benzo(g,h,i)perylene
Concen: 20.172 ng/ul
RT: 27.276 min Scan# 6016
Delta R.T. 0.020 min
Lab File: BM040315.D
Acq: 19 Jun 2023 15:29

Tgt Ion:276 Resp: 2070642
Ion Ratio Lower Upper
276 100
138 22.6 21.0 31.4
277 24.6 19.6 29.4

