

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061923\
 Data File : BM040320.D
 Acq On : 19 Jun 2023 18:36
 Operator : MA/JU
 Sample : 03080-13DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFJ2DL

Quant Time: Jun 20 00:14:19 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)

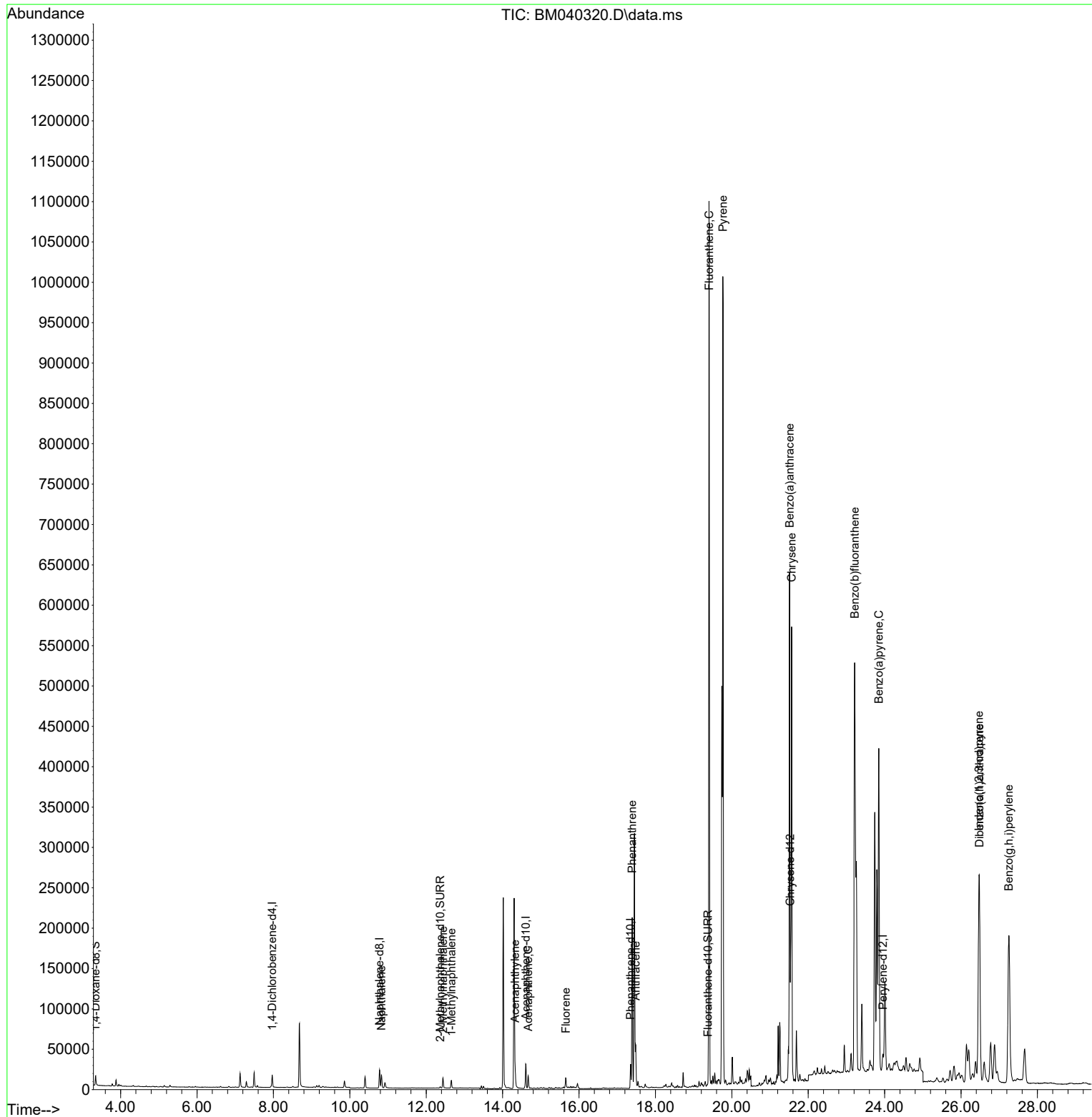
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.970	152	7825	0.400	ng/ul	0.00
4) Naphthalene-d8	10.778	136	30155	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.609	164	16829	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.349	188	34084	0.400	ng/ul	0.00
17) Chrysene-d12	21.526	240	28046	0.400	ng/ul	# 0.00
23) Perylene-d12	23.955	264	29591	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.346	96	7716	0.799	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.367	152	2271	0.059	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	4373	0.063	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.827	128	21793	0.305	ng/ul	98
7) 2-Methylnaphthalene	12.439	142	9624	0.217	ng/ul	99
8) 1-Methylnaphthalene	12.659	142	6924	0.149	ng/ul	100
10) Acenaphthylene	14.327	152	22988	0.391	ng/ul	99
11) Acenaphthene	14.670	153	9199	0.182	ng/ul	99
12) Fluorene	15.655	166	8292	0.147	ng/ul#	98
15) Phenanthrene	17.391	178	221129	2.467	ng/ul	99
16) Anthracene	17.484	178	48743	0.642	ng/ul	100
19) Fluoranthene	19.403	202	860805	9.010	ng/ul	100
20) Pyrene	19.765	202	808220	8.142	ng/ul	100
21) Benzo(a)anthracene	21.512	228	536025	6.475	ng/ul	98
22) Chrysene	21.564	228	559197	6.395	ng/ul	97
24) Benzo(b)fluoranthene	23.216	252	908355	8.327	ng/ul	91
26) Benzo(a)pyrene	23.847	252	562198	6.281	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.471	276	447539	3.950	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.484	278	116931	1.286	ng/ul	97
29) Benzo(g,h,i)perylene	27.252	276	419180	4.429	ng/ul	98

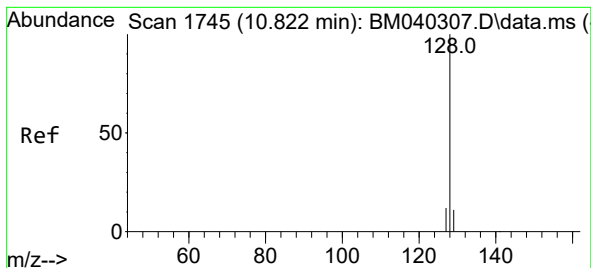
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.305 ng/ul

RT: 10.827 min Scan# 1745

Delta R.T. -0.006 min

Lab File: BM040320.D

Acq: 19 Jun 2023 18:36

Instrument :

BNA_M

ClientSampleId :

DCFJ2DL

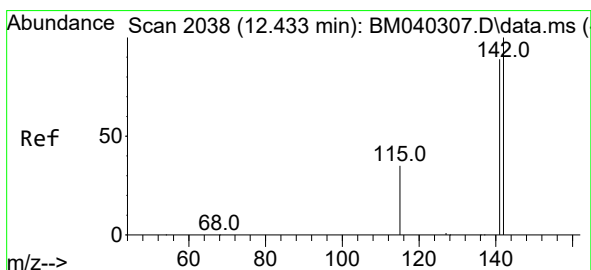
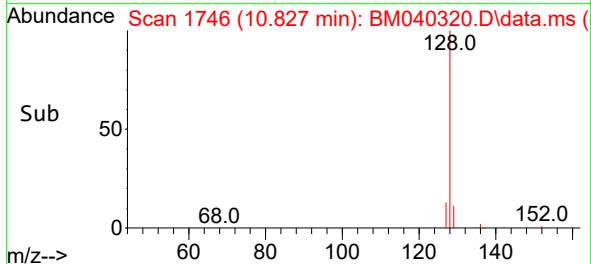
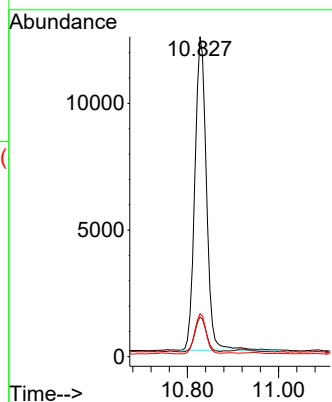
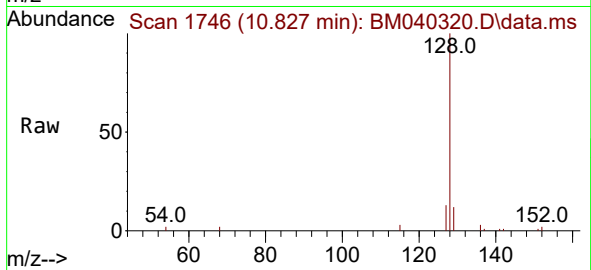
Tgt Ion:128 Resp: 21793

Ion Ratio Lower Upper

128 100

129 12.4 9.1 13.7

127 13.4 10.4 15.6



#7

2-Methylnaphthalene

Concen: 0.217 ng/ul

RT: 12.439 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BM040320.D

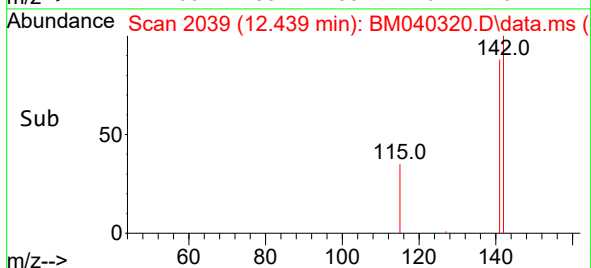
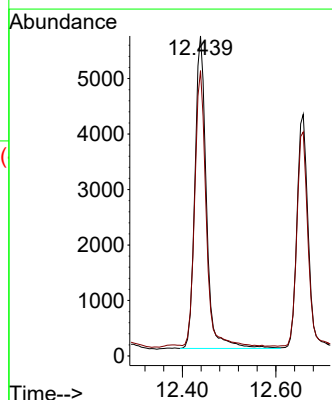
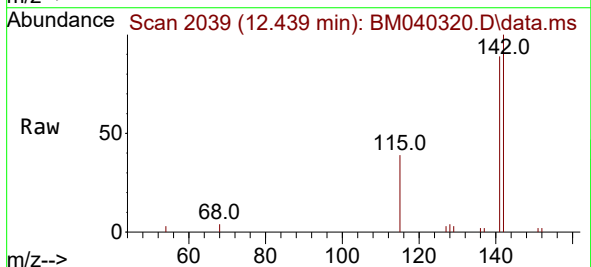
Acq: 19 Jun 2023 18:36

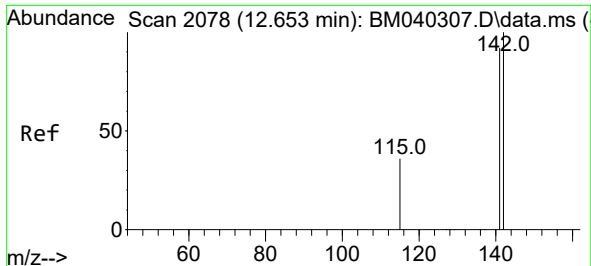
Tgt Ion:142 Resp: 9624

Ion Ratio Lower Upper

142 100

141 86.9 70.6 106.0

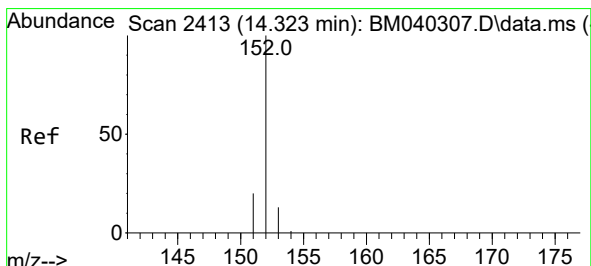
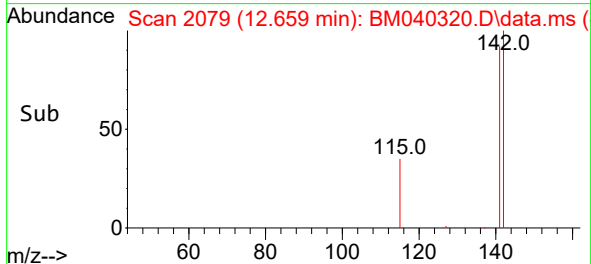
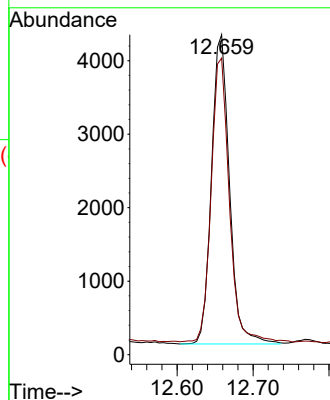
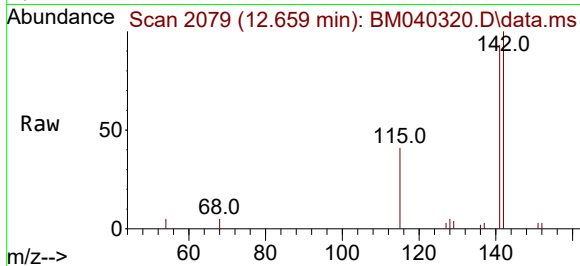




#8
1-Methylnaphthalene
Concen: 0.149 ng/ul
RT: 12.659 min Scan# 2078
Delta R.T. -0.006 min
Lab File: BM040320.D
Acq: 19 Jun 2023 18:36

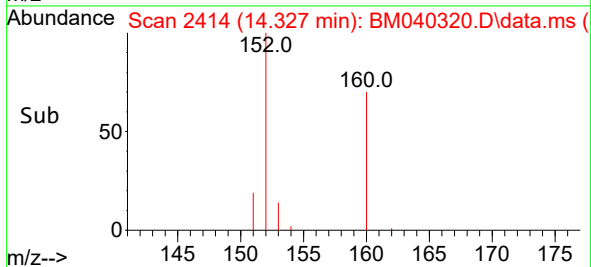
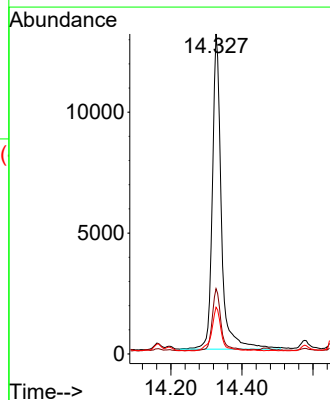
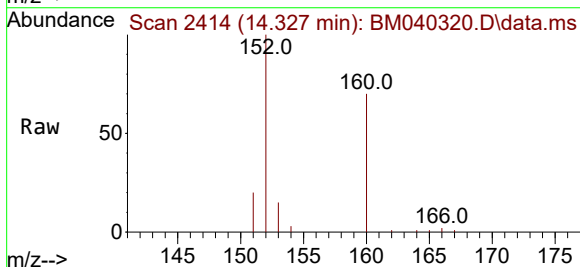
Instrument :
BNA_M
ClientSampleId :
DCFJ2DL

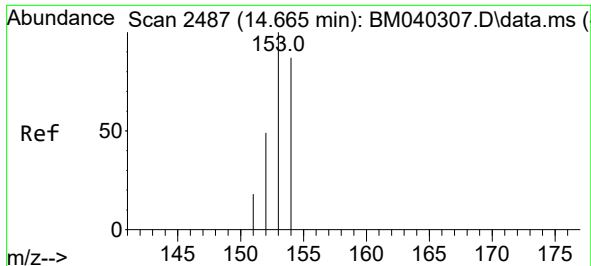
Tgt Ion:142 Resp: 6924
Ion Ratio Lower Upper
142 100
141 91.4 73.0 109.4



#10
Acenaphthylene
Concen: 0.391 ng/ul
RT: 14.327 min Scan# 2414
Delta R.T. -0.005 min
Lab File: BM040320.D
Acq: 19 Jun 2023 18:36

Tgt Ion:152 Resp: 22988
Ion Ratio Lower Upper
152 100
151 20.4 16.3 24.5
153 14.6 10.7 16.1

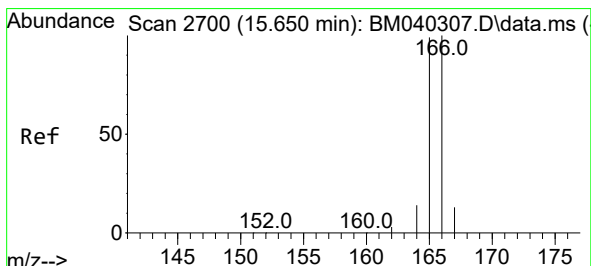
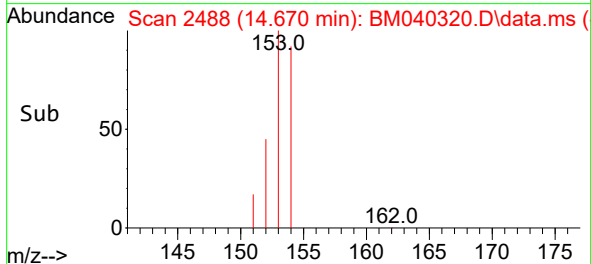
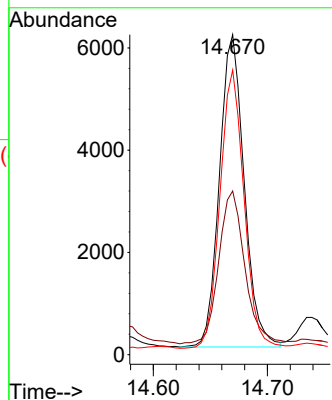
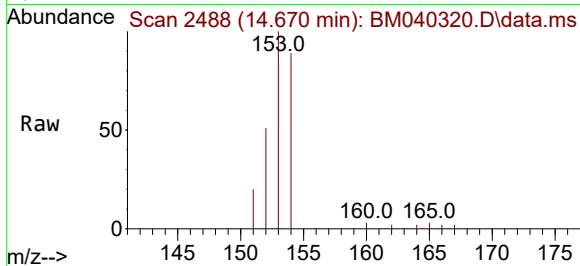




#11
Acenaphthene
Concen: 0.182 ng/ul
RT: 14.670 min Scan# 2487
Delta R.T. -0.005 min
Lab File: BM040320.D
Acq: 19 Jun 2023 18:36

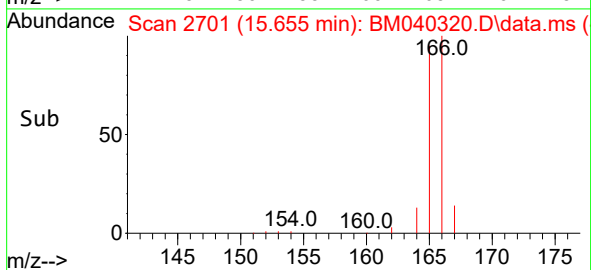
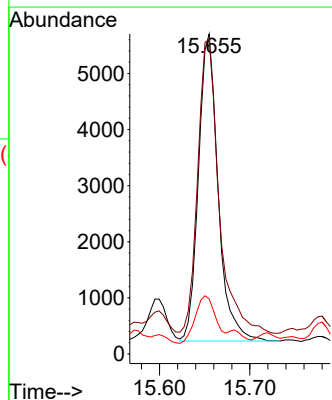
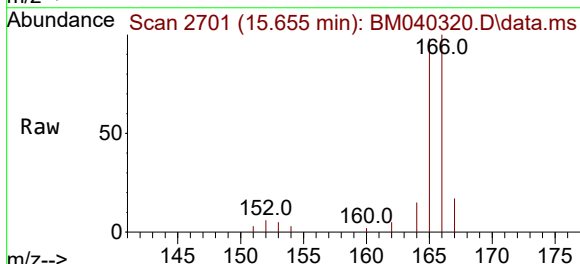
Instrument :
BNA_M
ClientSampleId :
DCFJ2DL

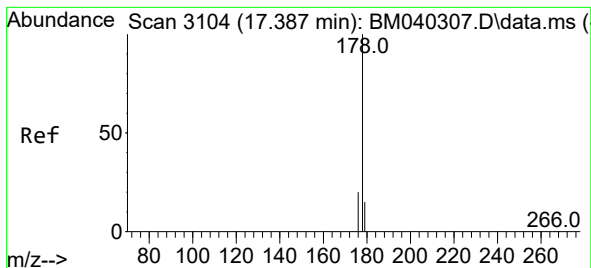
Tgt Ion:153 Resp: 9199
Ion Ratio Lower Upper
153 100
152 51.1 40.3 60.5
154 89.0 70.5 105.7



#12
Fluorene
Concen: 0.147 ng/ul
RT: 15.655 min Scan# 2701
Delta R.T. -0.005 min
Lab File: BM040320.D
Acq: 19 Jun 2023 18:36

Tgt Ion:166 Resp: 8292
Ion Ratio Lower Upper
166 100
165 98.3 78.2 117.4
167 17.2 11.0 16.4#





#15

Phenanthrene

Concen: 2.467 ng/ul

RT: 17.391 min Scan# 3105

Delta R.T. -0.004 min

Lab File: BM040320.D

Acq: 19 Jun 2023 18:36

Instrument :

BNA_M

ClientSampleId :

DCFJ2DL

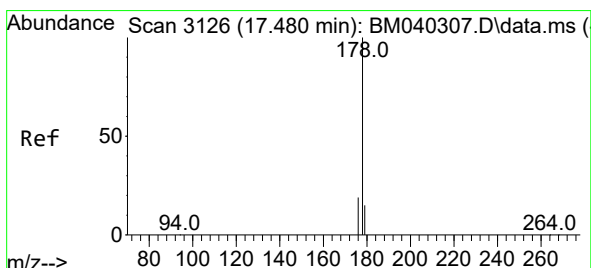
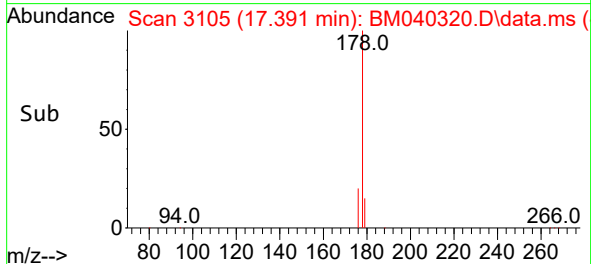
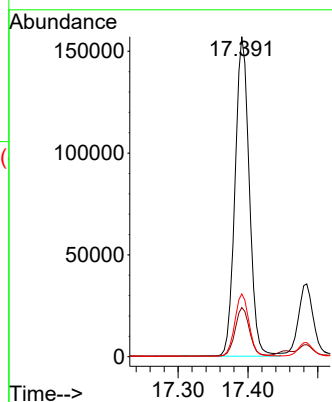
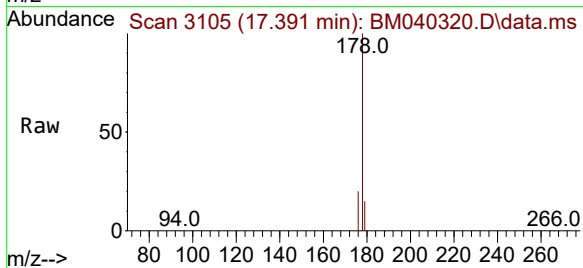
Tgt Ion:178 Resp: 221129

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

176 19.6 16.1 24.1



#16

Anthracene

Concen: 0.642 ng/ul

RT: 17.484 min Scan# 3127

Delta R.T. -0.004 min

Lab File: BM040320.D

Acq: 19 Jun 2023 18:36

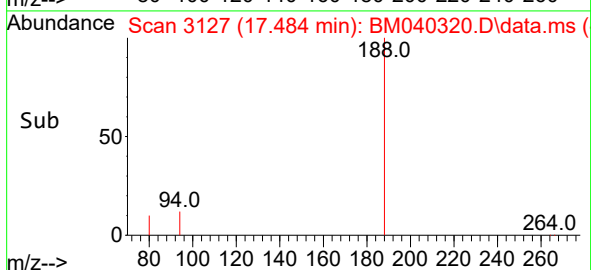
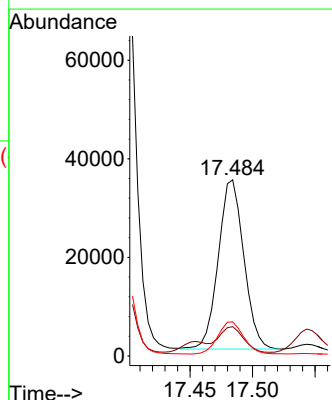
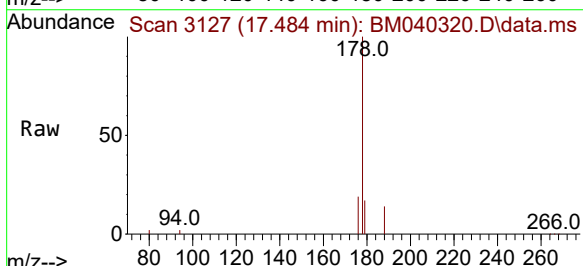
Tgt Ion:178 Resp: 48743

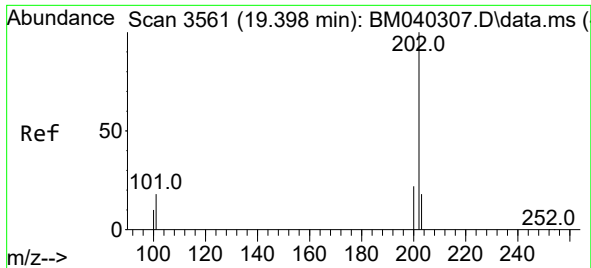
Ion Ratio Lower Upper

178 100

179 16.6 13.0 19.4

176 19.4 15.5 23.3

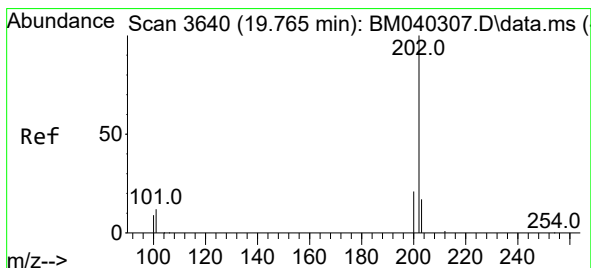
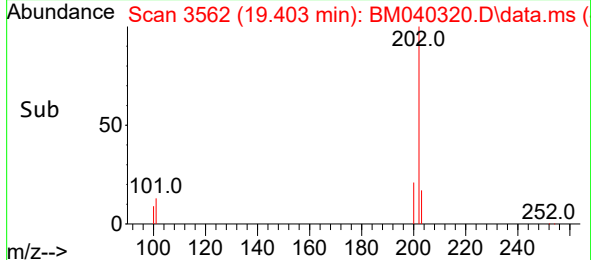
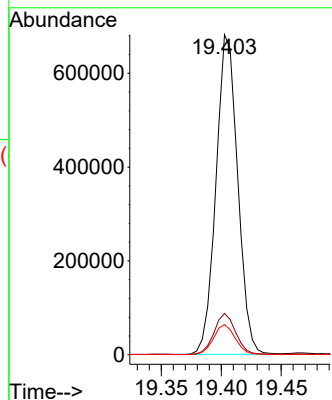
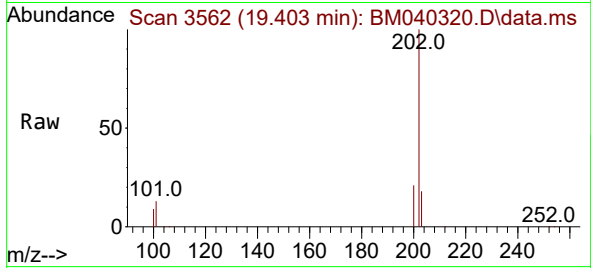




#19
Fluoranthene
Concen: 9.010 ng/ul
RT: 19.403 min Scan# 3562
Delta R.T. -0.005 min
Lab File: BM040320.D
Acq: 19 Jun 2023 18:36

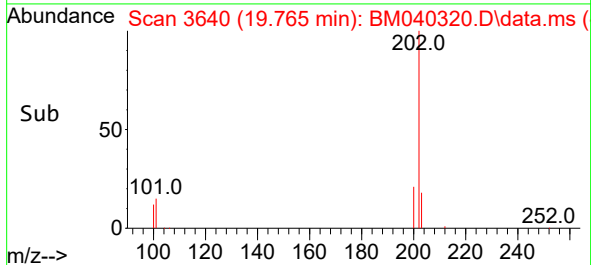
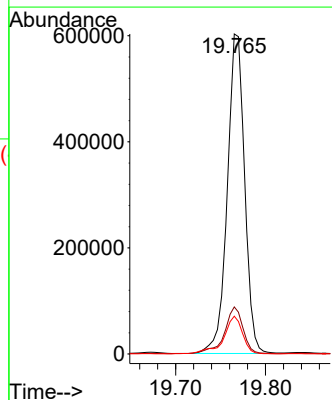
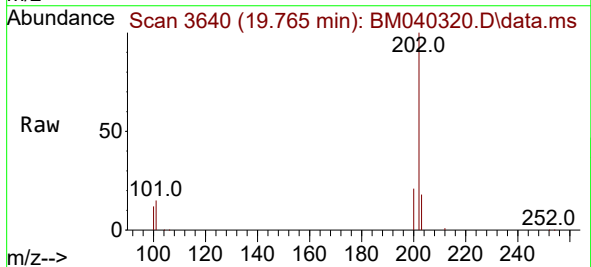
Instrument :
BNA_M
ClientSampleId :
DCFJ2DL

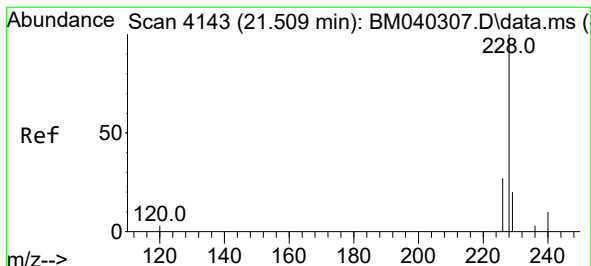
Tgt Ion:202 Resp: 860805
Ion Ratio Lower Upper
202 100
101 12.9 10.2 15.4
100 9.4 7.6 11.4



#20
Pyrene
Concen: 8.142 ng/ul
RT: 19.765 min Scan# 3640
Delta R.T. -0.005 min
Lab File: BM040320.D
Acq: 19 Jun 2023 18:36

Tgt Ion:202 Resp: 808220
Ion Ratio Lower Upper
202 100
101 14.7 11.8 17.8
100 11.8 9.3 13.9





#21

Benzo(a)anthracene

Concen: 6.475 ng/ul

RT: 21.512 min Scan# 4144

Delta R.T. -0.003 min

Lab File: BM040320.D

Acq: 19 Jun 2023 18:36

Instrument :

BNA_M

ClientSampleId :

DCFJ2DL

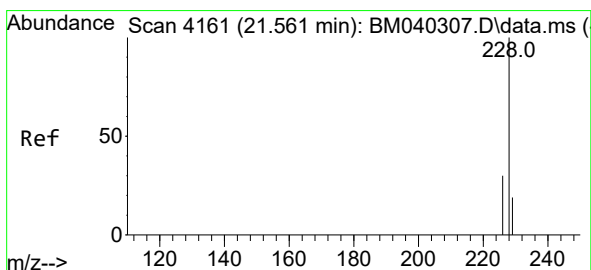
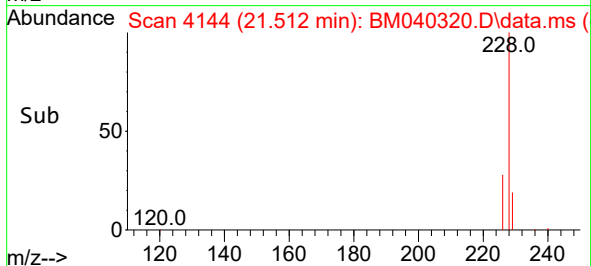
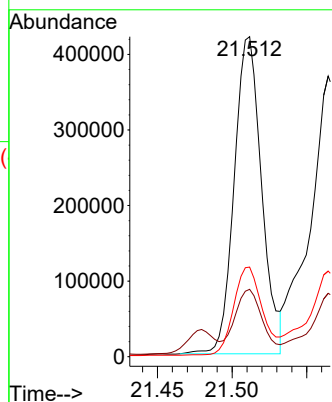
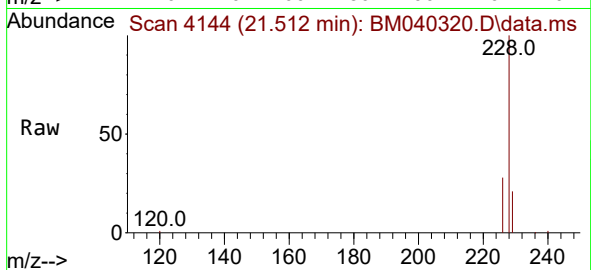
Tgt Ion:228 Resp: 536025

Ion Ratio Lower Upper

228 100

229 21.1 15.8 23.8

226 28.0 22.0 33.0



#22

Chrysene

Concen: 6.395 ng/ul

RT: 21.564 min Scan# 4162

Delta R.T. -0.006 min

Lab File: BM040320.D

Acq: 19 Jun 2023 18:36

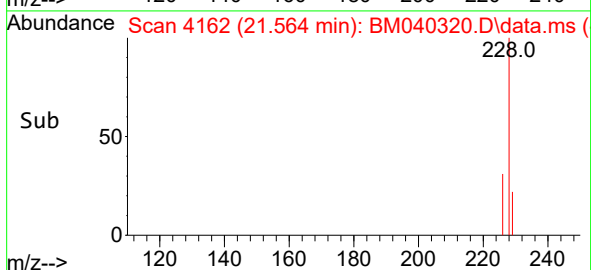
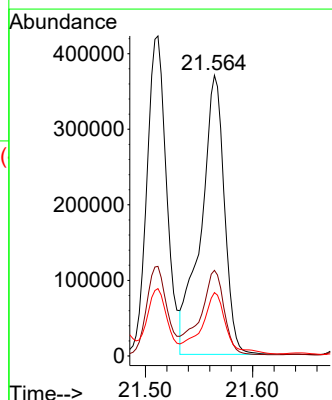
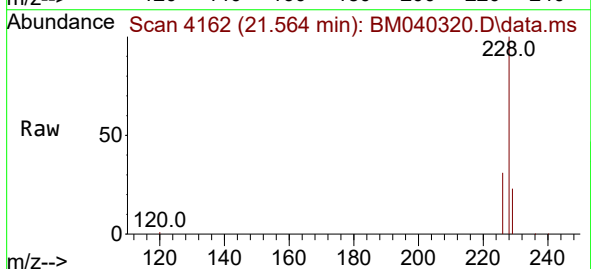
Tgt Ion:228 Resp: 559197

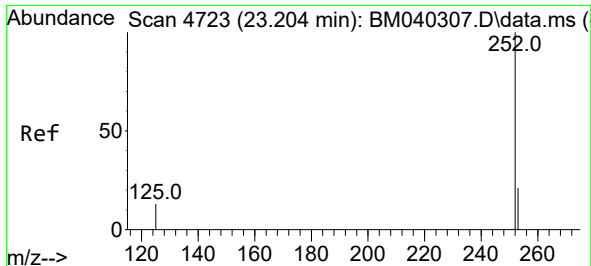
Ion Ratio Lower Upper

228 100

226 30.5 24.3 36.5

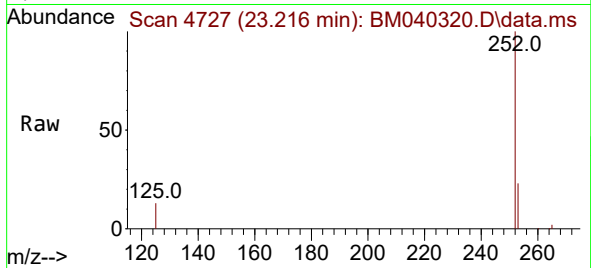
229 22.6 15.7 23.5



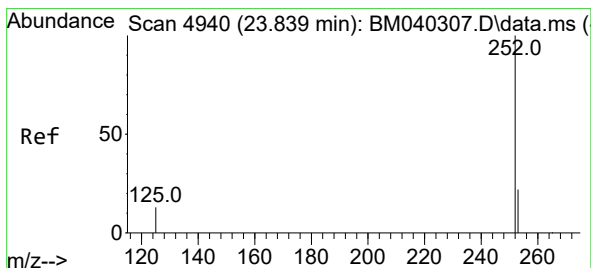
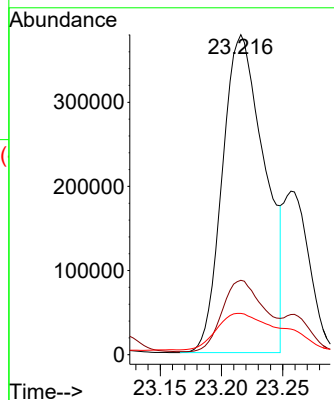


#24
Benzo(b)fluoranthene
Concen: 8.327 ng/ul
RT: 23.216 min Scan# 41
Delta R.T. -0.000 min
Lab File: BM040320.D
Acq: 19 Jun 2023 18:36

Instrument :
BNA_M
ClientSampleId :
DCFJ2DL

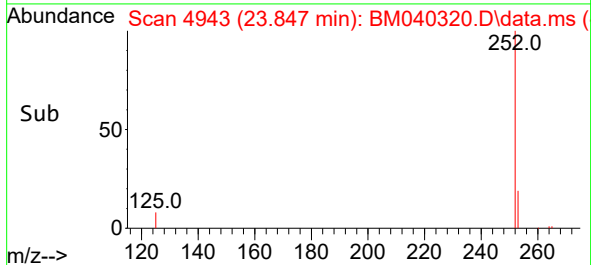
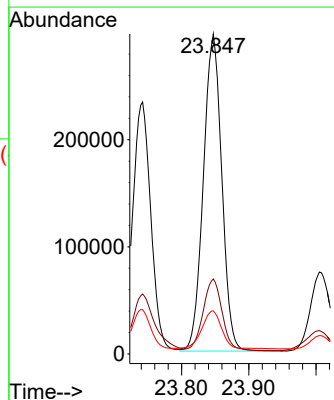
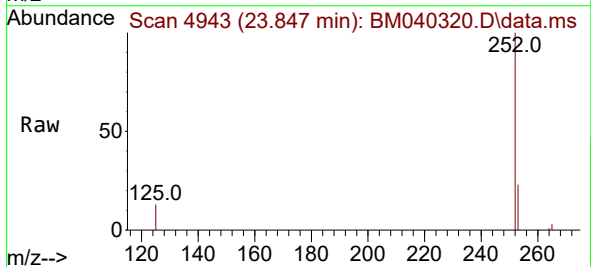


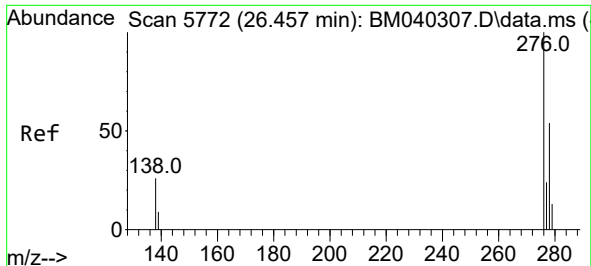
Tgt Ion:252 Resp: 908355
Ion Ratio Lower Upper
252 100
253 23.2 0.0 52.4
125 12.9 0.0 38.4



#26
Benzo(a)pyrene
Concen: 6.281 ng/ul
RT: 23.847 min Scan# 4943
Delta R.T. -0.003 min
Lab File: BM040320.D
Acq: 19 Jun 2023 18:36

Tgt Ion:252 Resp: 562198
Ion Ratio Lower Upper
252 100
253 23.5 23.4 35.0
125 13.5 19.7 29.5#

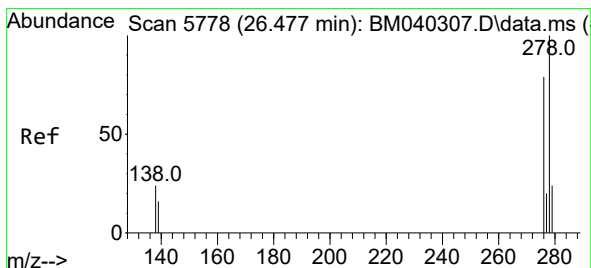
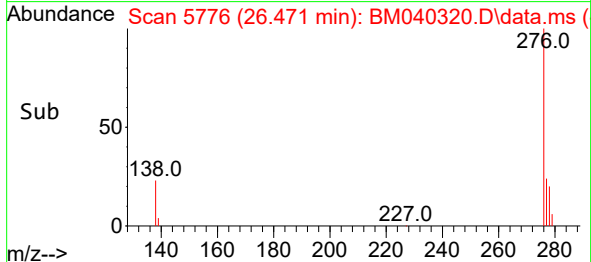
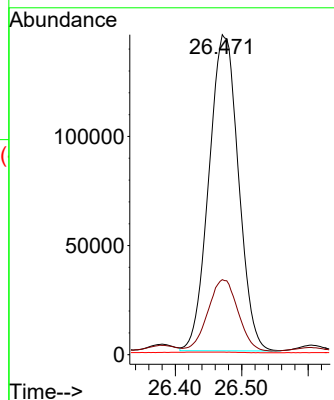
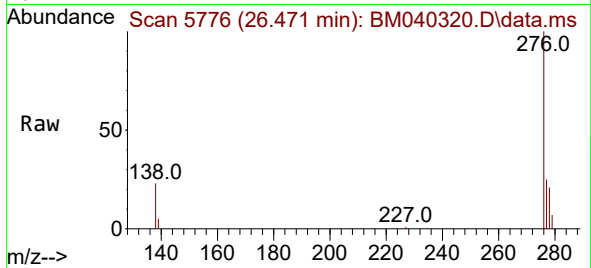




#27
Indeno(1,2,3-cd)pyrene
Concen: 3.950 ng/ul
RT: 26.471 min Scan# 5776
Delta R.T. -0.007 min
Lab File: BM040320.D
Acq: 19 Jun 2023 18:36

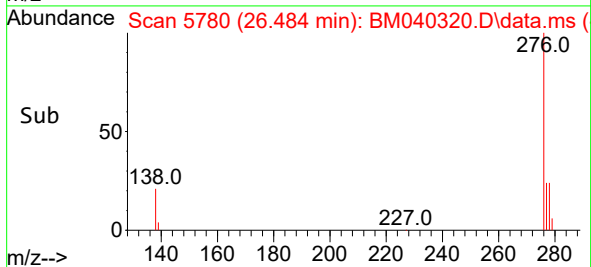
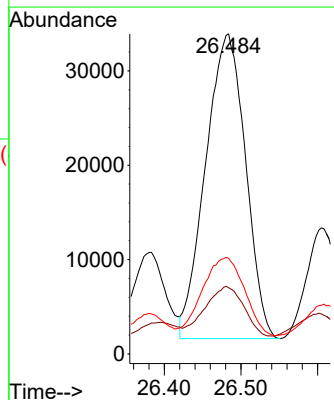
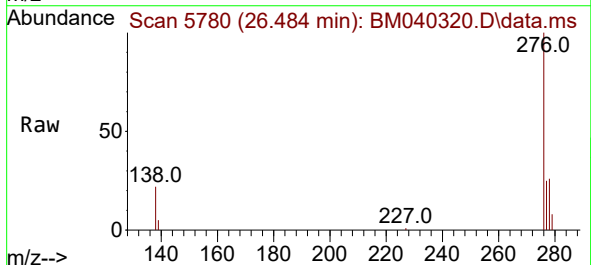
Instrument :
BNA_M
ClientSampleId :
DCFJ2DL

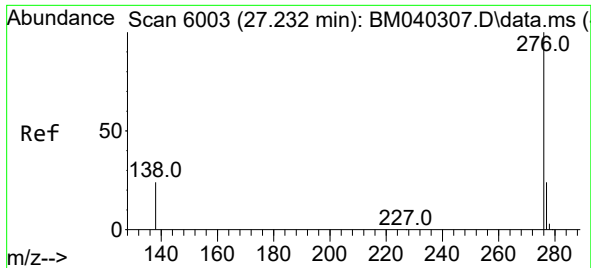
Tgt Ion:276 Resp: 447539
Ion Ratio Lower Upper
276 100
138 22.9 23.3 34.9#
227 0.4 0.1 0.1#



#28
Dibenzo(a,h)anthracene
Concen: 1.286 ng/ul
RT: 26.484 min Scan# 5780
Delta R.T. -0.014 min
Lab File: BM040320.D
Acq: 19 Jun 2023 18:36

Tgt Ion:278 Resp: 116931
Ion Ratio Lower Upper
278 100
139 20.7 16.4 24.6
279 29.8 21.8 32.8





#29
 Benzo(g,h,i)perylene
 Concen: 4.429 ng/ul
 RT: 27.252 min Scan# 6009
 Delta R.T. -0.003 min
 Lab File: BM040320.D
 Acq: 19 Jun 2023 18:36

Instrument :
 BNA_M
 ClientSampleId :
 DCFJ2DL

Tgt Ion:276 Resp: 419180
 Ion Ratio Lower Upper
 276 100
 138 24.0 21.0 31.4
 277 24.5 19.6 29.4

