

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061923\
 Data File : BM040316.D
 Acq On : 19 Jun 2023 16:06
 Operator : MA/JU
 Sample : 03080-20
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFQ5

Quant Time: Jun 20 00:13:38 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)

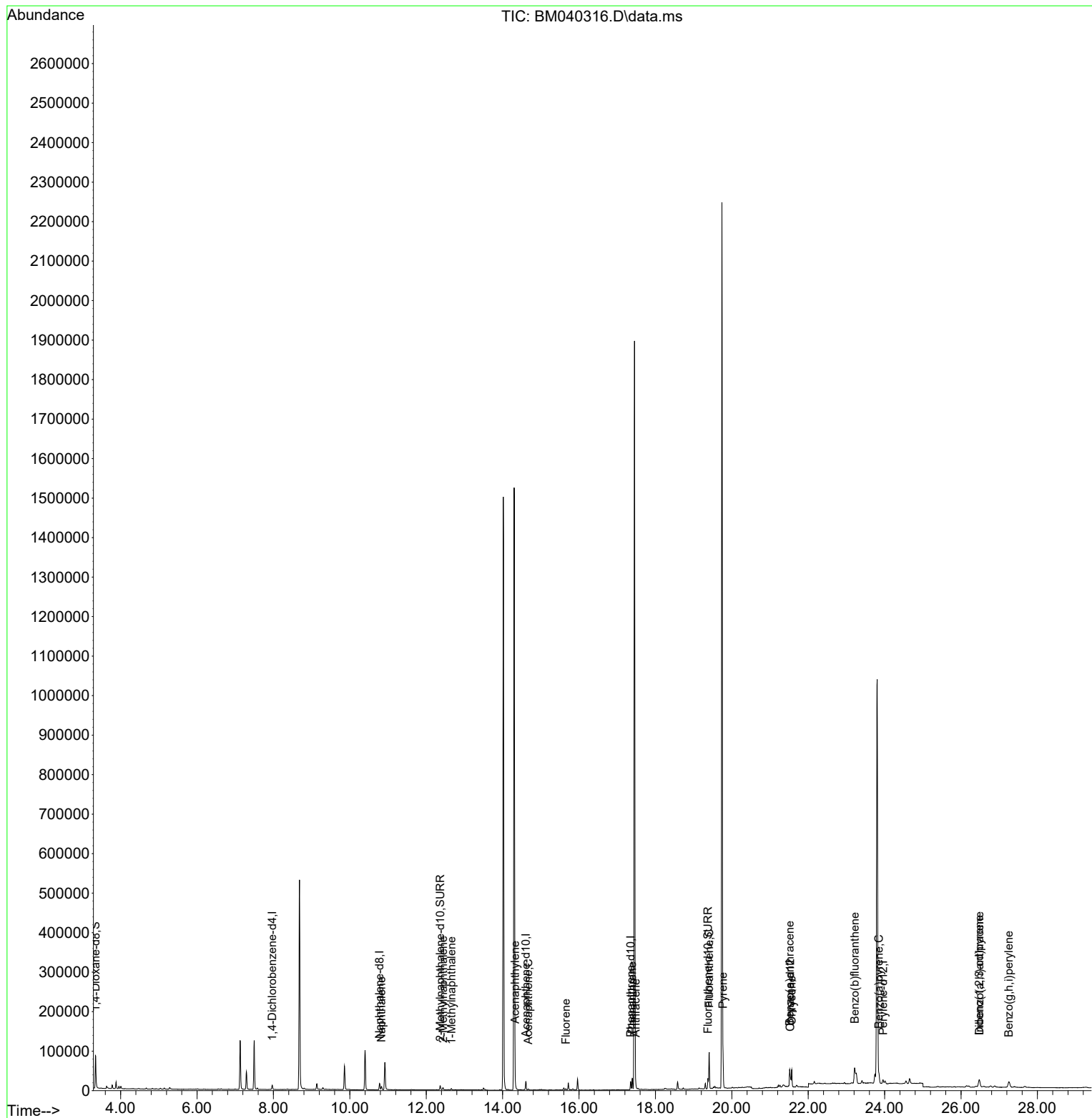
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.970	152	5547	0.400	ng/ul	0.00
4) Naphthalene-d8	10.778	136	21391	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.609	164	11935	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.353	188	24034	0.400	ng/ul	0.00
17) Chrysene-d12	21.529	240	14992	0.400	ng/ul #	0.00
23) Perylene-d12	23.958	264	13700	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.346	96	52293	7.634	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.367	152	14174	0.522	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	26337	0.704	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.828	128	11210	0.221	ng/ul#	95
7) 2-Methylnaphthalene	12.439	142	3823	0.121	ng/ul	98
8) 1-Methylnaphthalene	12.659	142	2337	0.071	ng/ul	97
10) Acenaphthylene	14.327	152	8859	0.212	ng/ul#	93
11) Acenaphthene	14.670	153	1510	0.042	ng/ul#	91
12) Fluorene	15.655	166	1741	0.044	ng/ul#	85
15) Phenanthrene	17.391	178	30071	0.476	ng/ul	98
16) Anthracene	17.484	178	7042	0.132	ng/ul#	91
19) Fluoranthene	19.407	202	76413	1.496	ng/ul	99
20) Pyrene	19.770	202	63156	1.190	ng/ul	100
21) Benzo(a)anthracene	21.512	228	35078	0.793	ng/ul#	88
22) Chrysene	21.567	228	47725	1.021	ng/ul#	90
24) Benzo(b)fluoranthene	23.216	252	66920	1.325	ng/ul	87
26) Benzo(a)pyrene	23.850	252	32508	0.784	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	26.477	276	33374	0.636	ng/ul#	85
28) Dibenzo(a,h)anthracene	26.481	278	8722	0.207	ng/ul#	23
29) Benzo(g,h,i)perylene	27.252	276	32185	0.735	ng/ul#	85

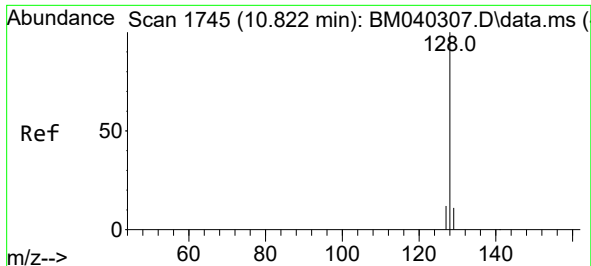
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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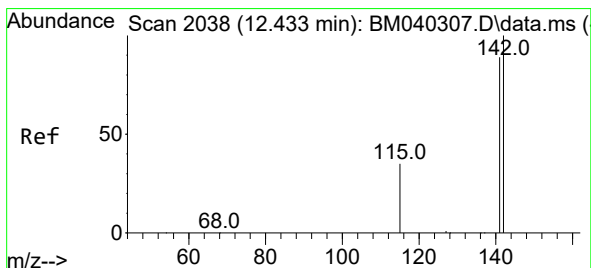
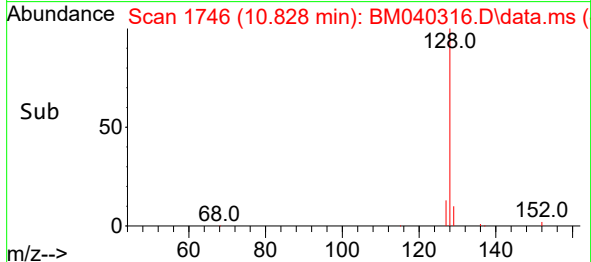
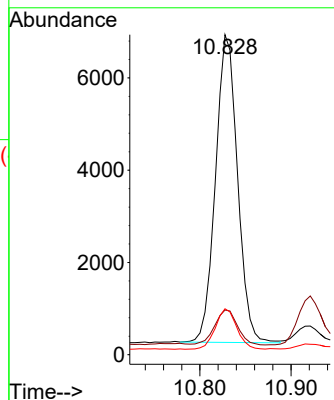
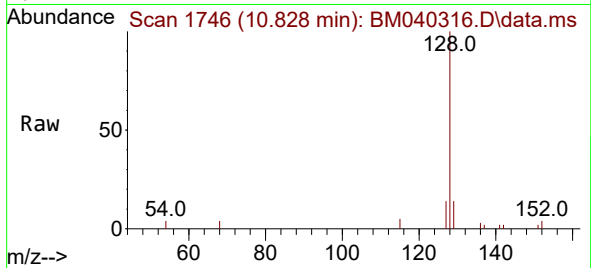




#5
Naphthalene
Concen: 0.221 ng/ul
RT: 10.828 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BM040316.D
Acq: 19 Jun 2023 16:06

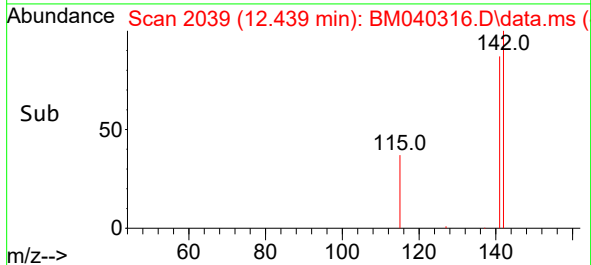
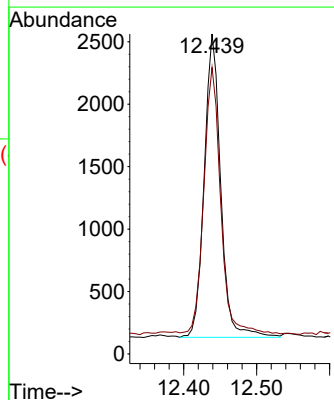
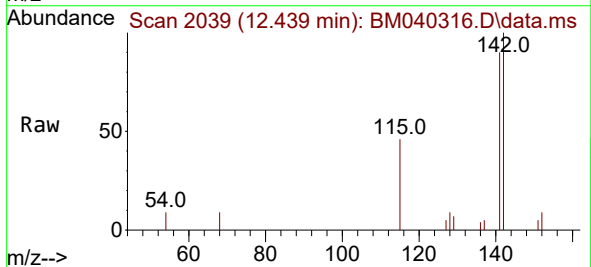
Instrument :
BNA_M
ClientSampleId :
DCFQ5

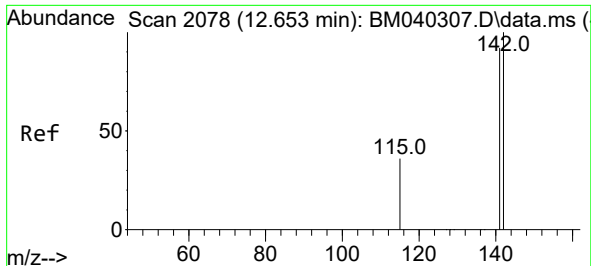
Tgt Ion:128 Resp: 11210
Ion Ratio Lower Upper
128 100
129 13.9 9.1 13.7#
127 14.3 10.4 15.6



#7
2-Methylnaphthalene
Concen: 0.121 ng/ul
RT: 12.439 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BM040316.D
Acq: 19 Jun 2023 16:06

Tgt Ion:142 Resp: 3823
Ion Ratio Lower Upper
142 100
141 90.1 70.6 106.0

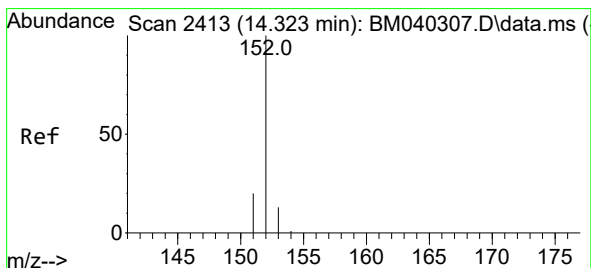
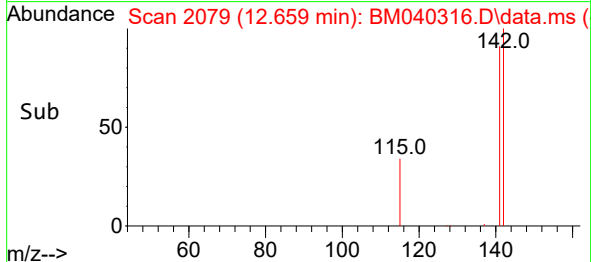
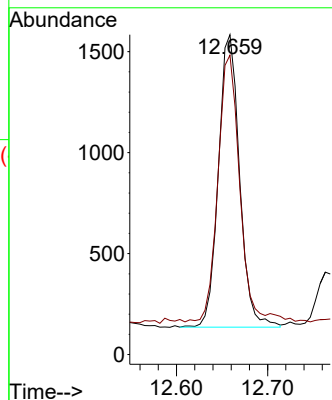
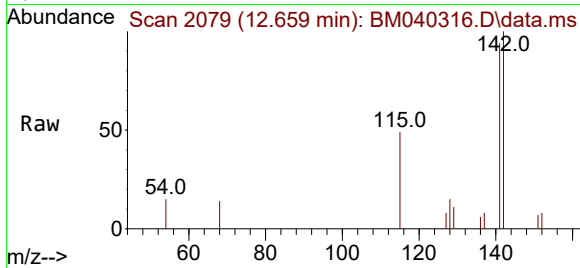




#8
1-Methylnaphthalene
Concen: 0.071 ng/ul
RT: 12.659 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM040316.D
Acq: 19 Jun 2023 16:06

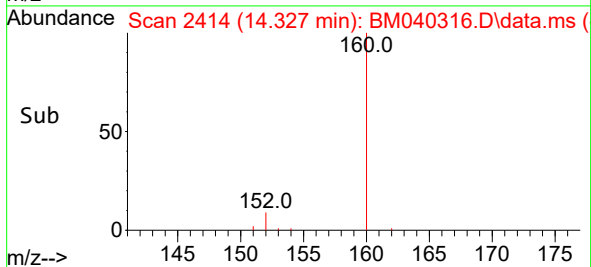
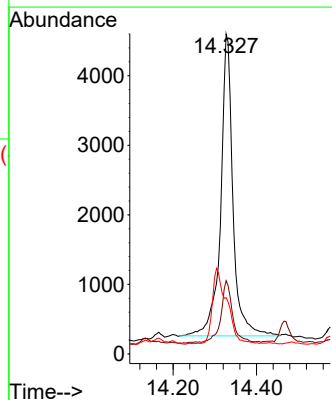
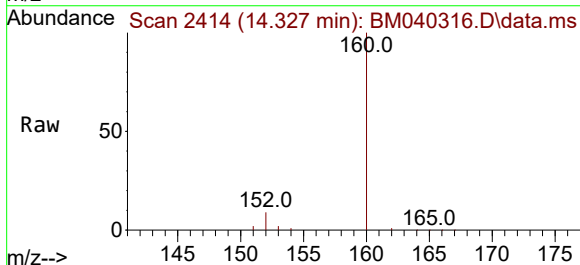
Instrument :
BNA_M
ClientSampleId :
DCFQ5

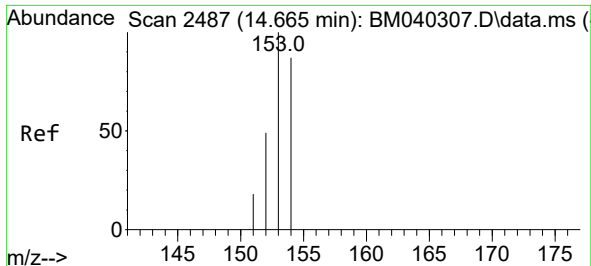
Tgt Ion:142 Resp: 2337
Ion Ratio Lower Upper
142 100
141 94.1 73.0 109.4



#10
Acenaphthylene
Concen: 0.212 ng/ul
RT: 14.327 min Scan# 2414
Delta R.T. -0.005 min
Lab File: BM040316.D
Acq: 19 Jun 2023 16:06

Tgt Ion:152 Resp: 8859
Ion Ratio Lower Upper
152 100
151 22.9 16.3 24.5
153 17.6 10.7 16.1#

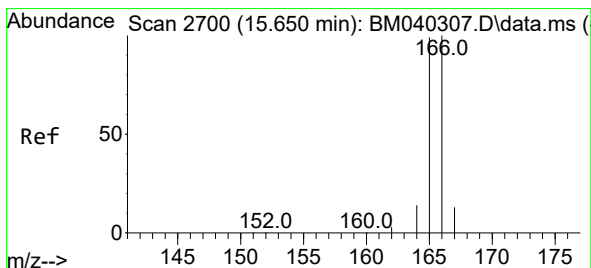
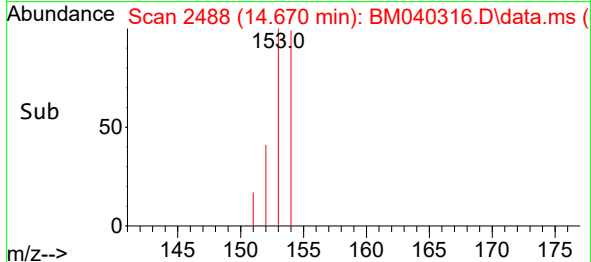
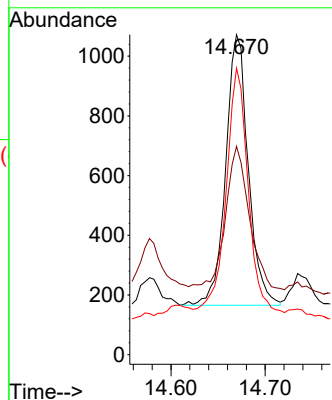
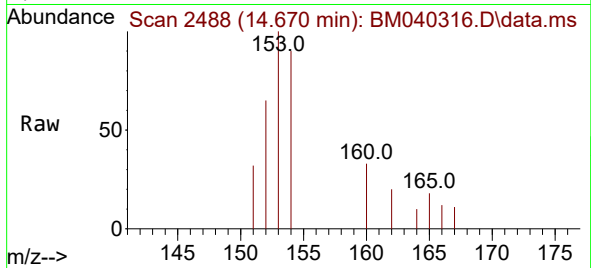




#11
Acenaphthene
Concen: 0.042 ng/ul
RT: 14.670 min Scan# 2487
Delta R.T. -0.005 min
Lab File: BM040316.D
Acq: 19 Jun 2023 16:06

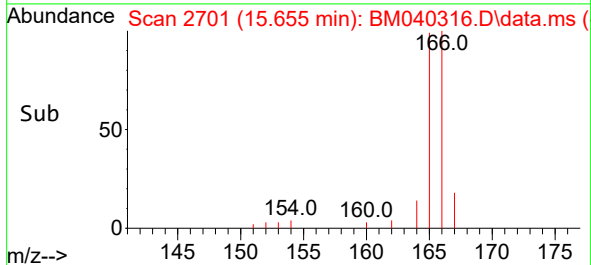
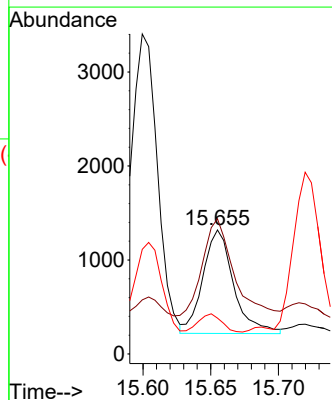
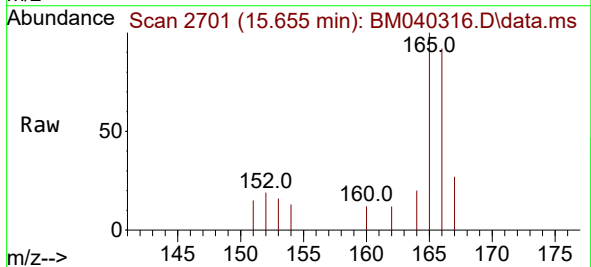
Instrument :
BNA_M
ClientSampleId :
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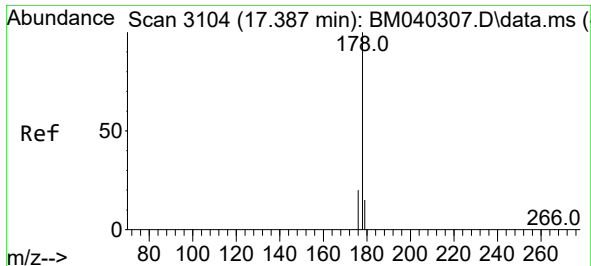
Tgt Ion:153 Resp: 1510
Ion Ratio Lower Upper
153 100
152 65.1 40.3 60.5#
154 89.6 70.5 105.7



#12
Fluorene
Concen: 0.044 ng/ul
RT: 15.655 min Scan# 2701
Delta R.T. -0.005 min
Lab File: BM040316.D
Acq: 19 Jun 2023 16:06

Tgt Ion:166 Resp: 1741
Ion Ratio Lower Upper
166 100
165 108.9 78.2 117.4
167 28.9 11.0 16.4#

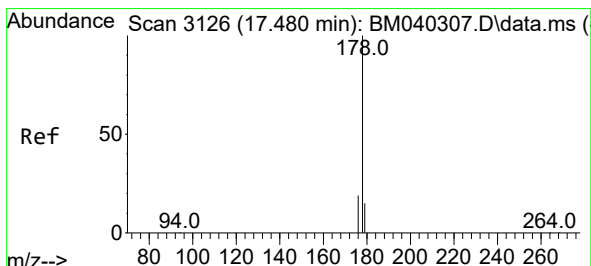
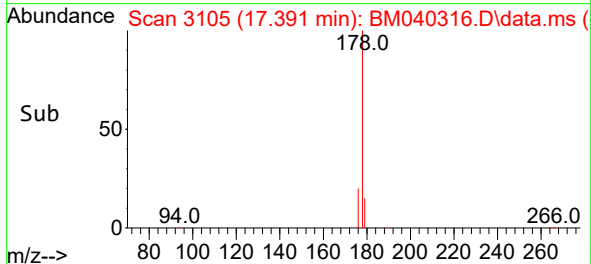
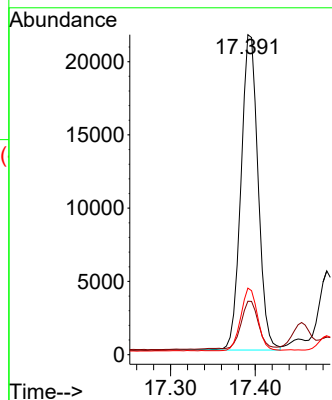
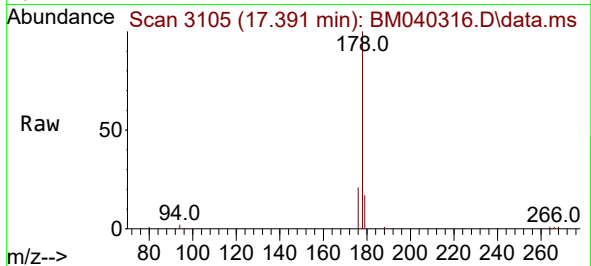




#15
Phenanthrene
Concen: 0.476 ng/ul
RT: 17.391 min Scan# 3105
Delta R.T. -0.004 min
Lab File: BM040316.D
Acq: 19 Jun 2023 16:06

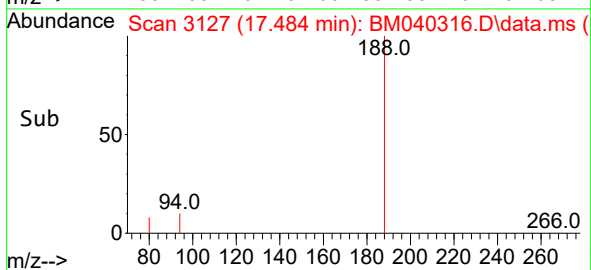
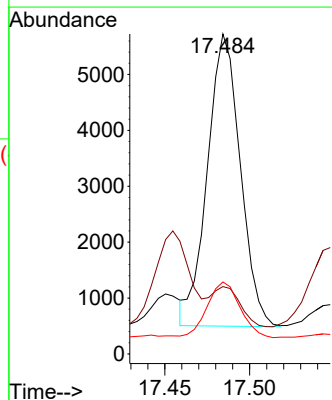
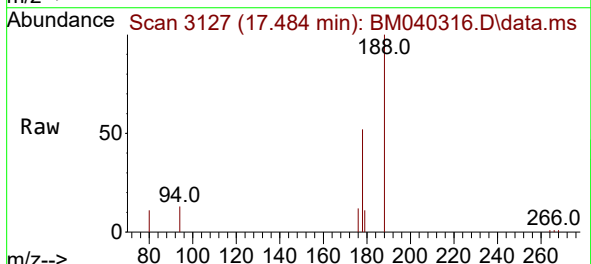
Instrument :
BNA_M
ClientSampleId :
DCFQ5

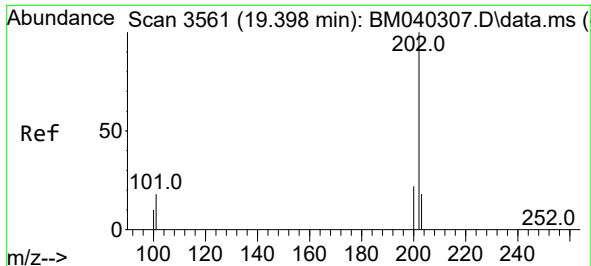
Tgt Ion:178 Resp: 30071
Ion Ratio Lower Upper
178 100
179 16.7 12.6 19.0
176 20.8 16.1 24.1



#16
Anthracene
Concen: 0.132 ng/ul
RT: 17.484 min Scan# 3127
Delta R.T. -0.004 min
Lab File: BM040316.D
Acq: 19 Jun 2023 16:06

Tgt Ion:178 Resp: 7042
Ion Ratio Lower Upper
178 100
179 21.1 13.0 19.4#
176 22.5 15.5 23.3

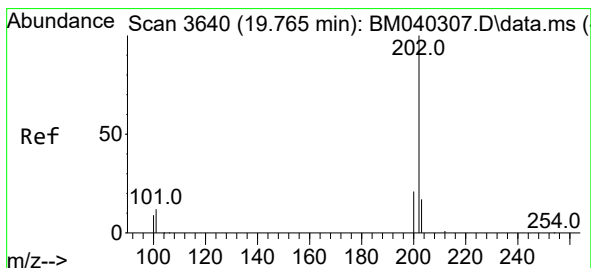
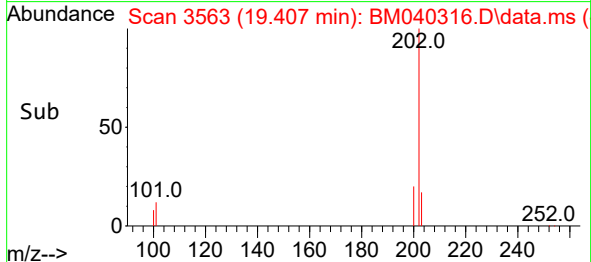
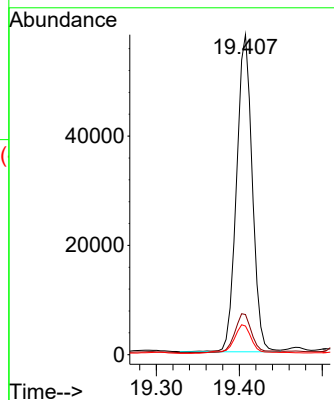
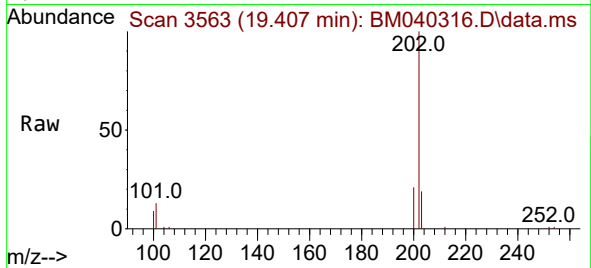




#19
Fluoranthene
Concen: 1.496 ng/ul
RT: 19.407 min Scan# 3563
Delta R.T. -0.000 min
Lab File: BM040316.D
Acq: 19 Jun 2023 16:06

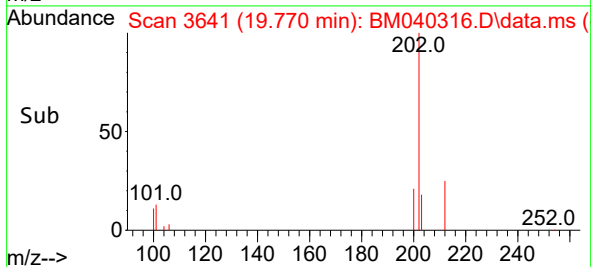
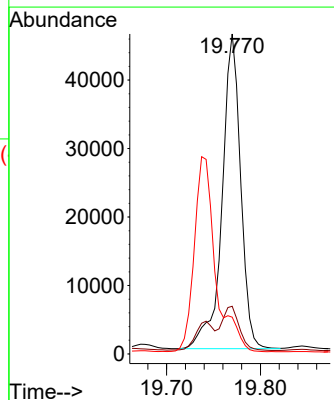
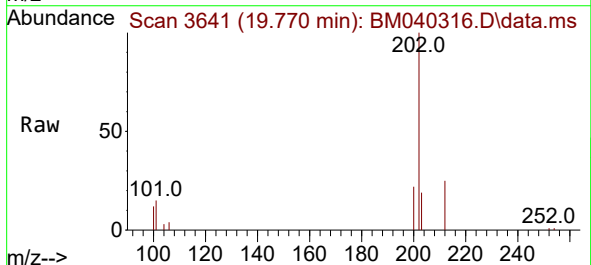
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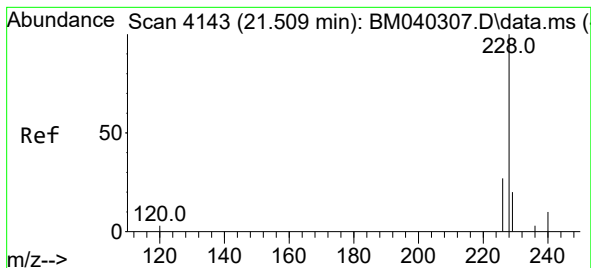
Tgt Ion:202 Resp: 76413
Ion Ratio Lower Upper
202 100
101 12.6 10.2 15.4
100 9.0 7.6 11.4



#20
Pyrene
Concen: 1.190 ng/ul
RT: 19.770 min Scan# 3641
Delta R.T. -0.000 min
Lab File: BM040316.D
Acq: 19 Jun 2023 16:06

Tgt Ion:202 Resp: 63156
Ion Ratio Lower Upper
202 100
101 14.9 11.8 17.8
100 11.5 9.3 13.9





#21

Benzo(a)anthracene

Concen: 0.793 ng/ul

RT: 21.512 min Scan# 4144

Delta R.T. -0.003 min

Lab File: BM040316.D

Acq: 19 Jun 2023 16:06

Instrument :

BNA_M

ClientSampleId :

DCFQ5

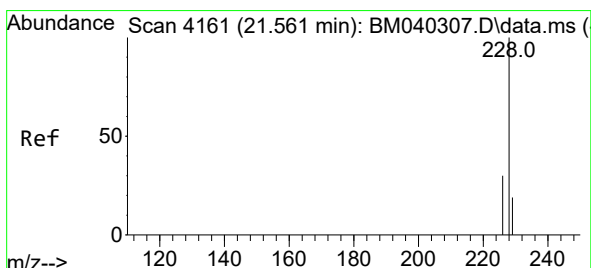
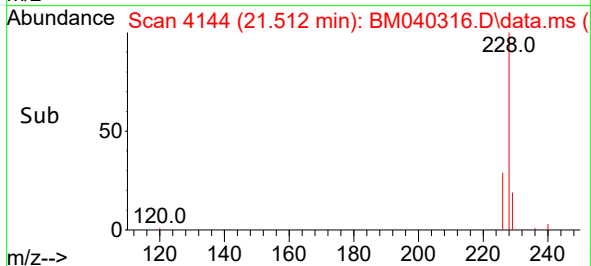
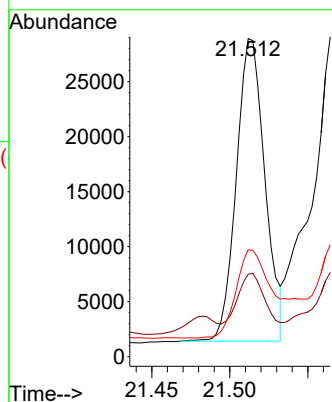
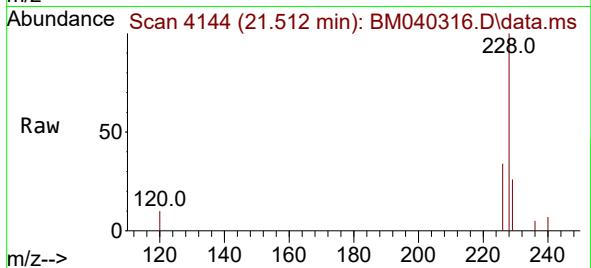
Tgt Ion:228 Resp: 35078

Ion Ratio Lower Upper

228 100

229 26.0 15.8 23.8#

226 33.6 22.0 33.0#



#22

Chrysene

Concen: 1.021 ng/ul

RT: 21.567 min Scan# 4163

Delta R.T. -0.003 min

Lab File: BM040316.D

Acq: 19 Jun 2023 16:06

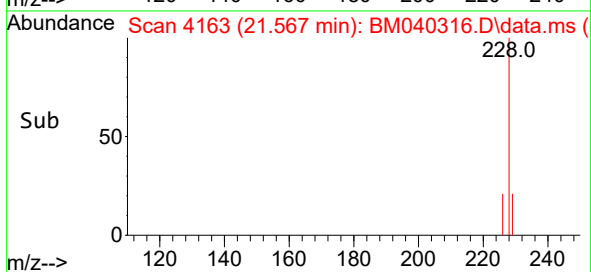
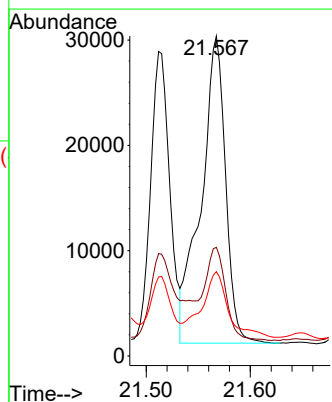
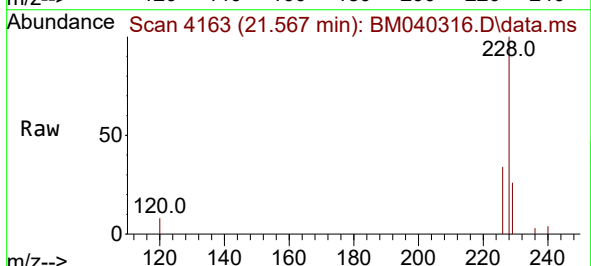
Tgt Ion:228 Resp: 47725

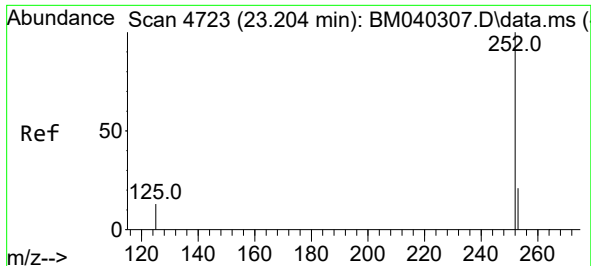
Ion Ratio Lower Upper

228 100

226 33.9 24.3 36.5

229 26.3 15.7 23.5#

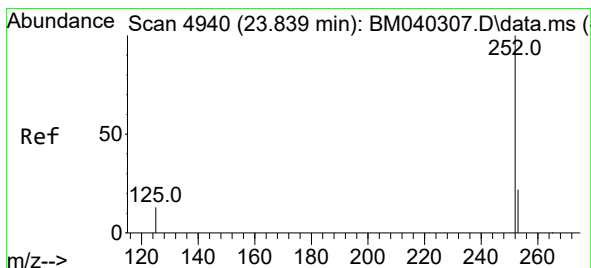
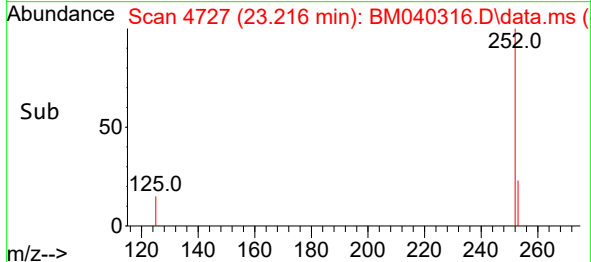
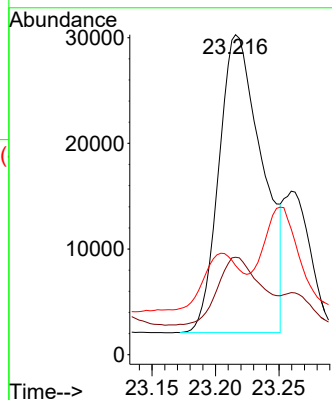
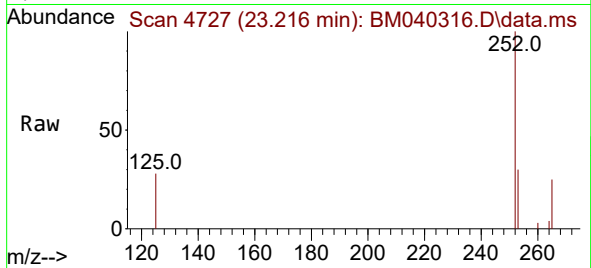




#24
Benzo(b)fluoranthene
Concen: 1.325 ng/ul
RT: 23.216 min Scan# 41
Delta R.T. -0.000 min
Lab File: BM040316.D
Acq: 19 Jun 2023 16:06

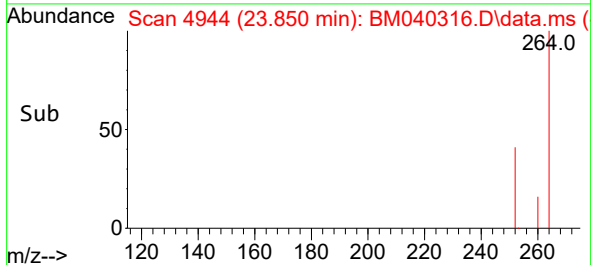
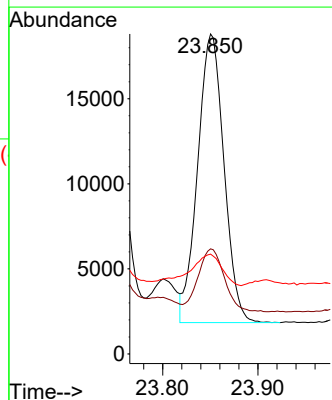
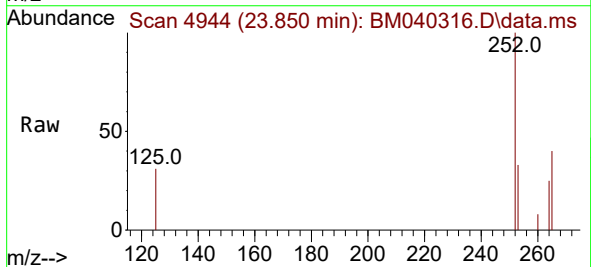
Instrument :
BNA_M
ClientSampleId :
DCFQ5

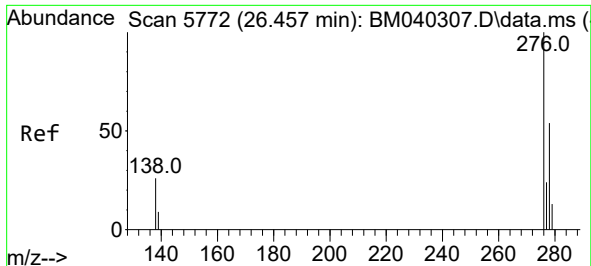
Tgt Ion:252 Resp: 66920
Ion Ratio Lower Upper
252 100
253 30.5 0.0 52.4
125 27.9 0.0 38.4



#26
Benzo(a)pyrene
Concen: 0.784 ng/ul
RT: 23.850 min Scan# 4944
Delta R.T. -0.000 min
Lab File: BM040316.D
Acq: 19 Jun 2023 16:06

Tgt Ion:252 Resp: 32508
Ion Ratio Lower Upper
252 100
253 32.8 23.4 35.0
125 31.2 19.7 29.5#

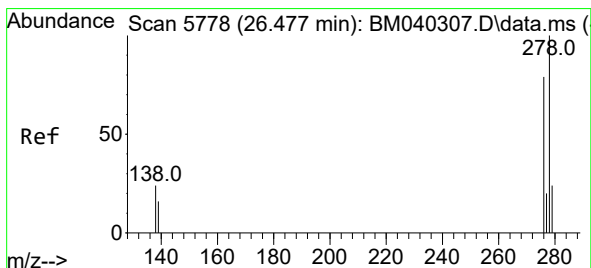
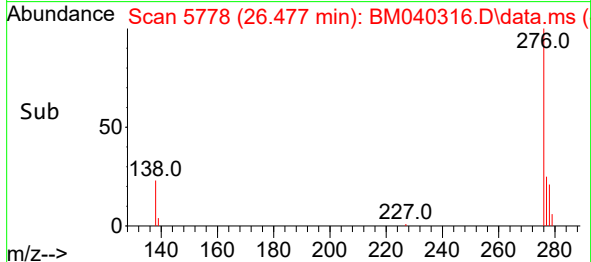
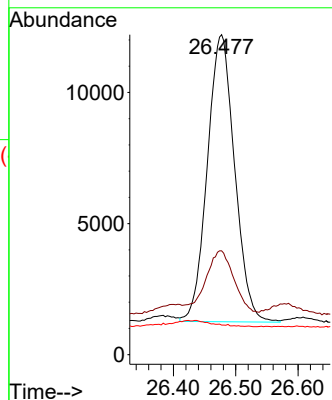
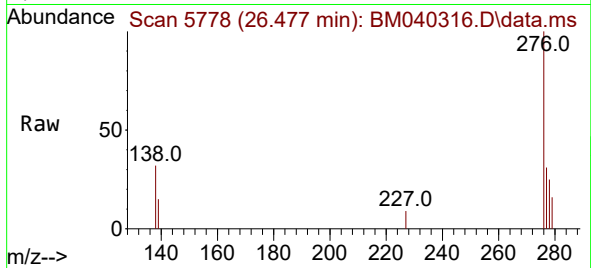




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.636 ng/ul
RT: 26.477 min Scan# 5778
Delta R.T. -0.000 min
Lab File: BM040316.D
Acq: 19 Jun 2023 16:06

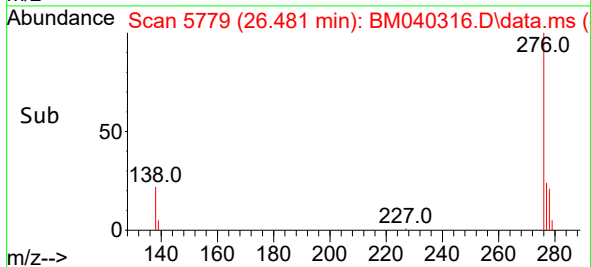
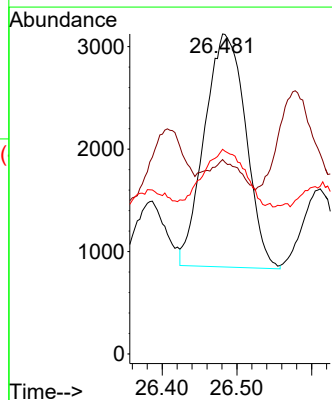
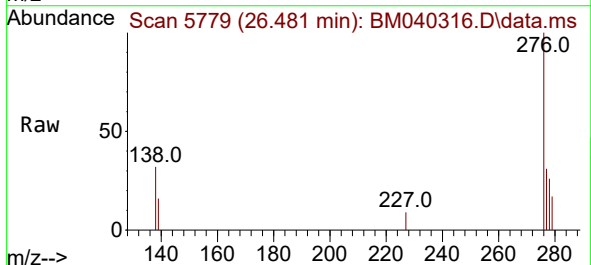
Instrument :
BNA_M
ClientSampleId :
DCFQ5

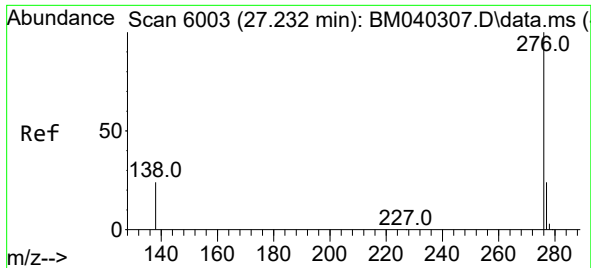
Tgt Ion:276 Resp: 33374
Ion Ratio Lower Upper
276 100
138 21.3 23.3 34.9#
227 0.0 0.1 0.1#



#28
Dibenzo(a,h)anthracene
Concen: 0.207 ng/ul
RT: 26.481 min Scan# 5779
Delta R.T. -0.017 min
Lab File: BM040316.D
Acq: 19 Jun 2023 16:06

Tgt Ion:278 Resp: 8722
Ion Ratio Lower Upper
278 100
139 60.8 16.4 24.6#
279 64.0 21.8 32.8#





#29
 Benzo(g,h,i)perylene
 Concen: 0.735 ng/ul
 RT: 27.252 min Scan# 6009
 Delta R.T. -0.003 min
 Lab File: BM040316.D
 Acq: 19 Jun 2023 16:06

Instrument :
 BNA_M
 ClientSampleId :
 DCFQ5

Tgt Ion:276 Resp: 32185
 Ion Ratio Lower Upper
 276 100
 138 33.6 21.0 31.4#
 277 32.1 19.6 29.4#

