

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061523\
 Data File : BM040261.D
 Acq On : 15 Jun 2023 16:11
 Operator : MA/JU
 Sample : 03088-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFR9

Quant Time: Jun 15 23:42:50 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)

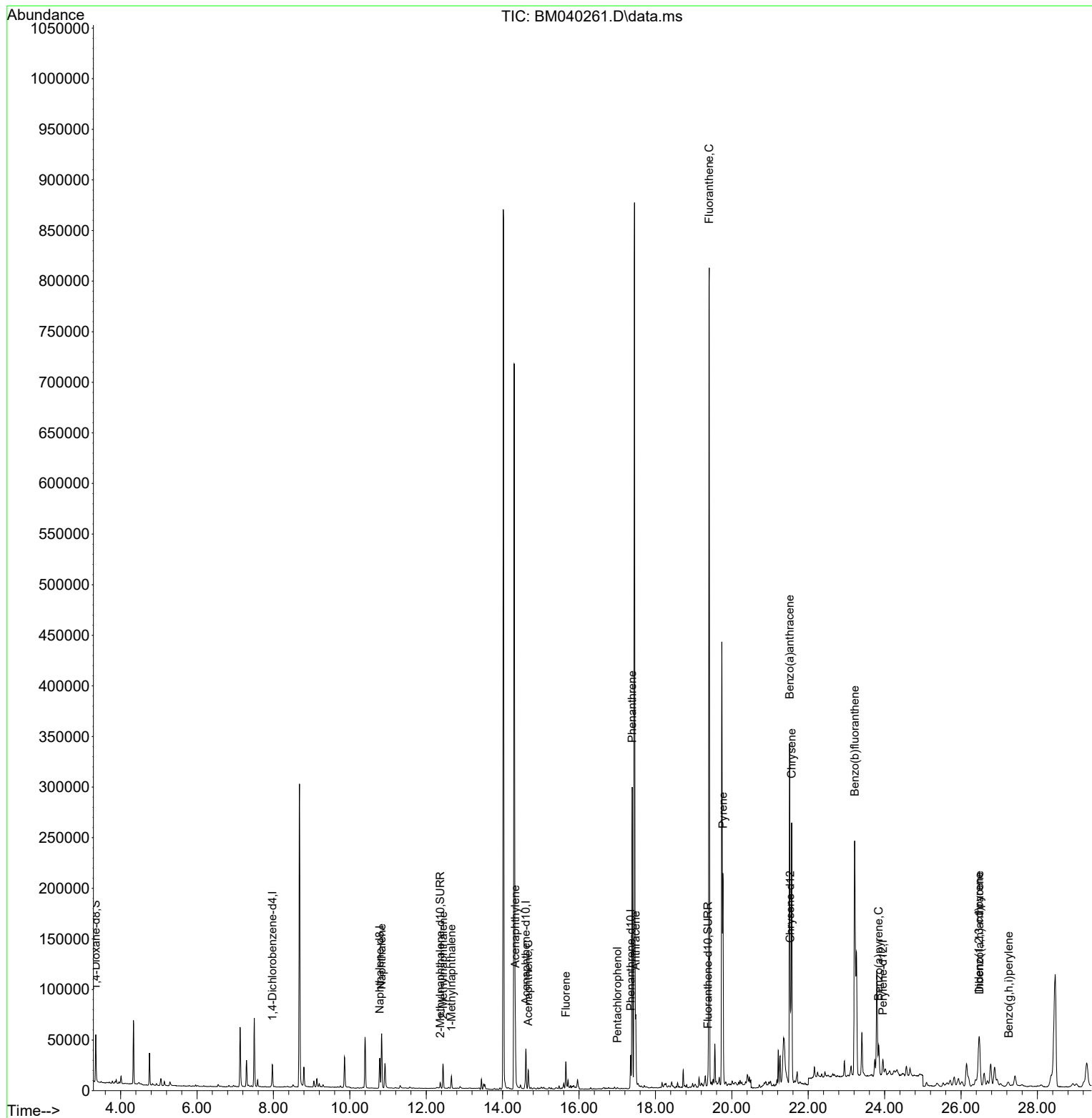
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.974	152	10903	0.400	ng/ul	0.00
4) Naphthalene-d8	10.784	136	39767	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.610	164	20943	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.354	188	37982	0.400	ng/ul	0.00
17) Chrysene-d12	21.530	240	22909	0.400	ng/ul	# 0.00
23) Perylene-d12	23.956	264	22253	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.350	96	28374	2.107	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.368	152	7274	0.144	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	10459	0.183	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.833	128	71786	0.762	ng/ul	100
7) 2-Methylnaphthalene	12.439	142	16717	0.285	ng/ul	99
8) 1-Methylnaphthalene	12.659	142	7886	0.129	ng/ul	99
10) Acenaphthylene	14.332	152	72443	0.989	ng/ul	99
11) Acenaphthene	14.670	153	10894	0.173	ng/ul	99
12) Fluorene	15.655	166	16810	0.240	ng/ul	98
14) Pentachlorophenol	17.003	266	609	0.079	ng/ul	99
15) Phenanthrene	17.392	178	306645	3.071	ng/ul	100
16) Anthracene	17.485	178	68718	0.812	ng/ul	100
19) Fluoranthene	19.408	202	646229	8.281	ng/ul	98
20) Pyrene	19.766	202	173163	2.136	ng/ul	98
21) Benzo(a)anthracene	21.512	228	290005	4.289	ng/ul	97
22) Chrysene	21.568	228	253245	3.545	ng/ul	98
24) Benzo(b)fluoranthene	23.216	252	366949	4.473	ng/ul	93
26) Benzo(a)pyrene	23.845	252	40754	0.605	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	26.471	276	64605	0.758	ng/ul#	80
28) Dibenzo(a,h)anthracene	26.484	278	50894	0.744	ng/ul	94
29) Benzo(g,h,i)perylene	27.249	276	5528	0.078	ng/ul#	9

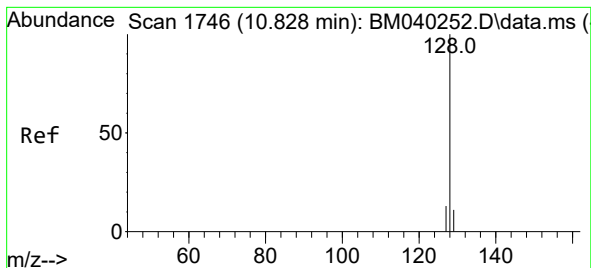
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.762 ng/ul

RT: 10.833 min Scan# 11

Delta R.T. 0.000 min

Lab File: BM040261.D

Acq: 15 Jun 2023 16:11

Instrument :

BNA_M

ClientSampleId :

DCFR9

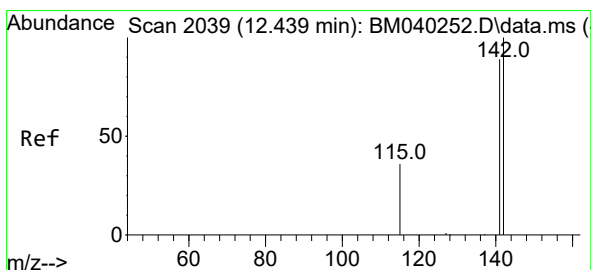
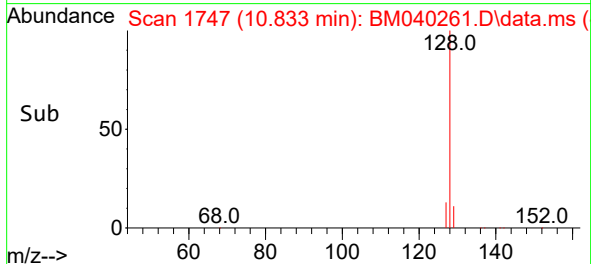
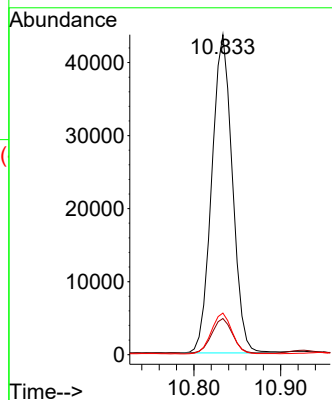
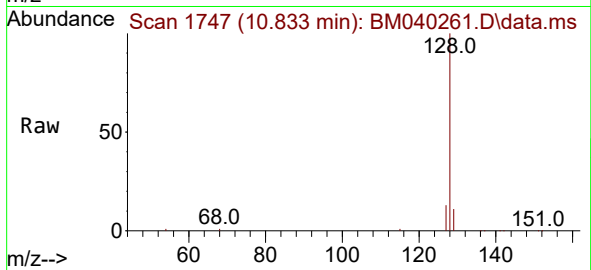
Tgt Ion:128 Resp: 71786

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

127 13.0 10.4 15.6



#7

2-Methylnaphthalene

Concen: 0.285 ng/ul

RT: 12.439 min Scan# 2039

Delta R.T. -0.005 min

Lab File: BM040261.D

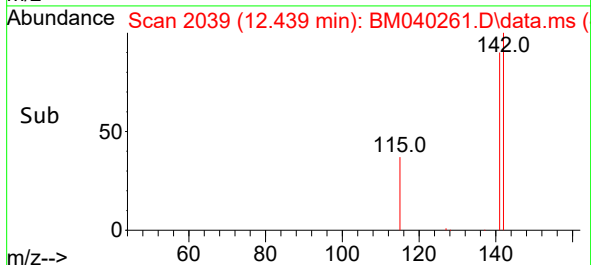
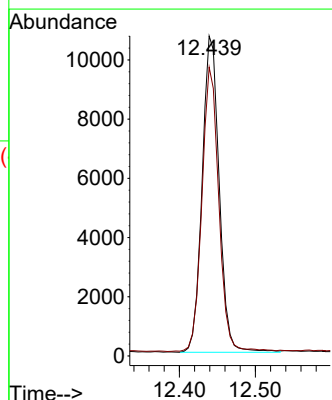
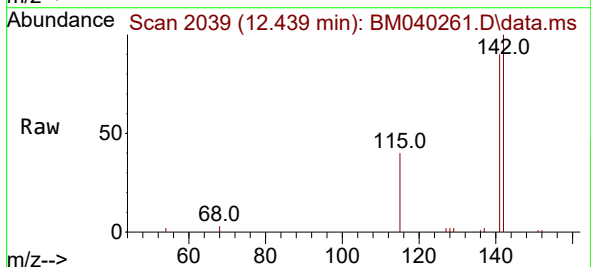
Acq: 15 Jun 2023 16:11

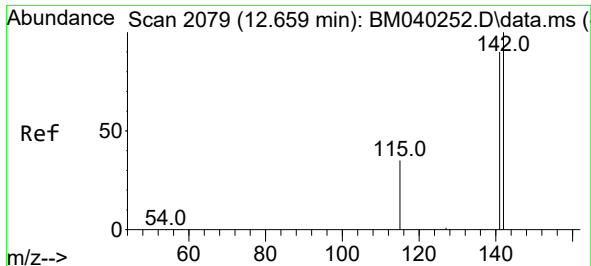
Tgt Ion:142 Resp: 16717

Ion Ratio Lower Upper

142 100

141 89.1 70.6 106.0

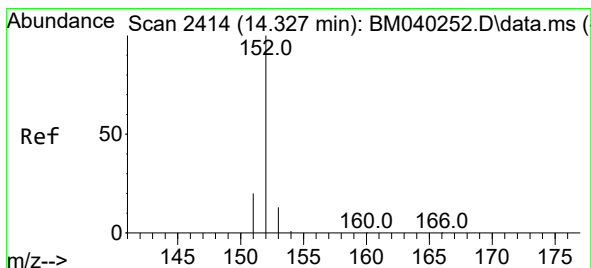
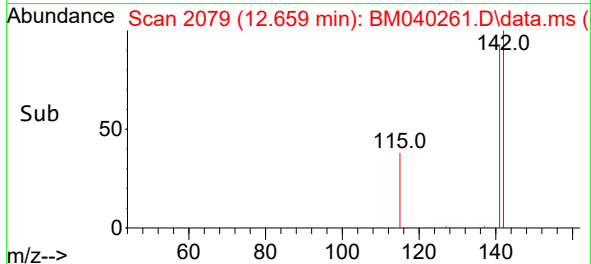
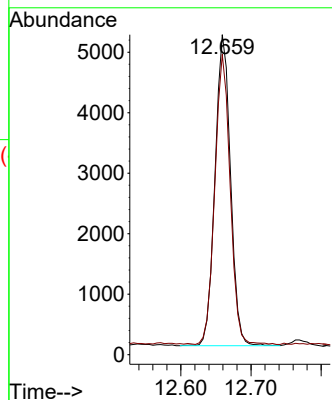
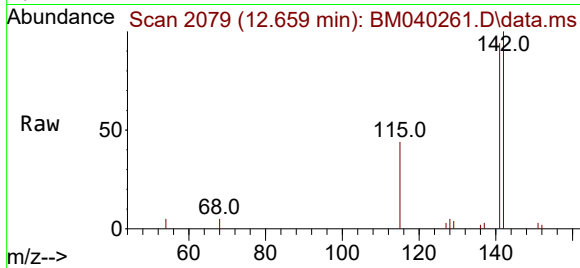




#8
1-Methylnaphthalene
Concen: 0.129 ng/ul
RT: 12.659 min Scan# 2079
Delta R.T. -0.005 min
Lab File: BM040261.D
Acq: 15 Jun 2023 16:11

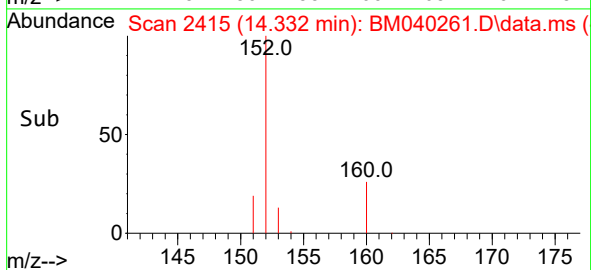
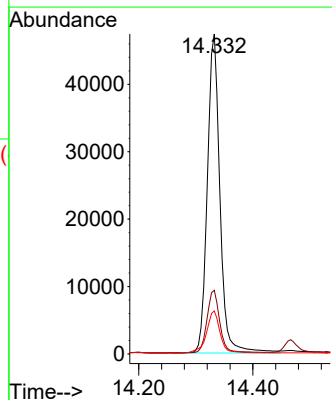
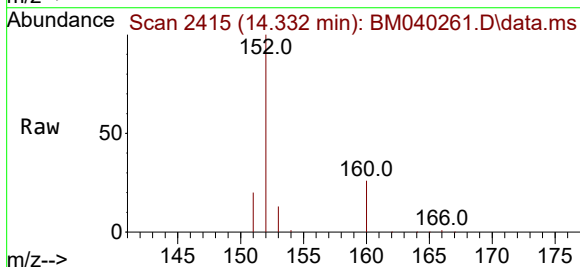
Instrument :
BNA_M
ClientSampleId :
DCFR9

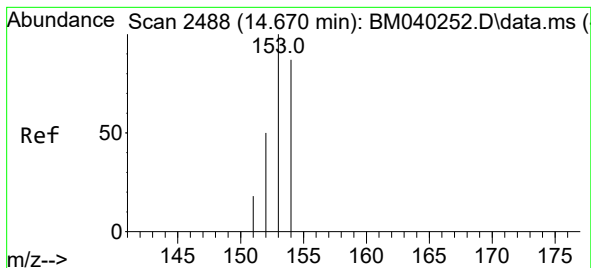
Tgt Ion:142 Resp: 7886
Ion Ratio Lower Upper
142 100
141 92.0 73.0 109.4



#10
Acenaphthylene
Concen: 0.989 ng/ul
RT: 14.332 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BM040261.D
Acq: 15 Jun 2023 16:11

Tgt Ion:152 Resp: 72443
Ion Ratio Lower Upper
152 100
151 19.9 16.3 24.5
153 13.4 10.7 16.1





#11

Acenaphthene

Concen: 0.173 ng/ul

RT: 14.670 min Scan# 2488

Delta R.T. -0.004 min

Lab File: BM040261.D

Acq: 15 Jun 2023 16:11

Instrument :

BNA_M

ClientSampleId :

DCFR9

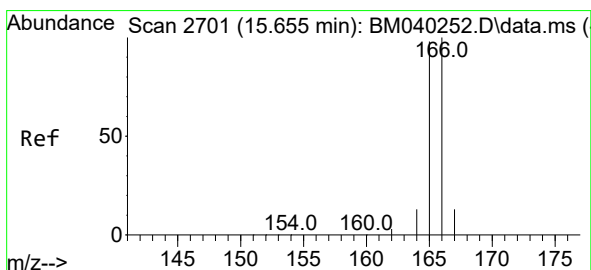
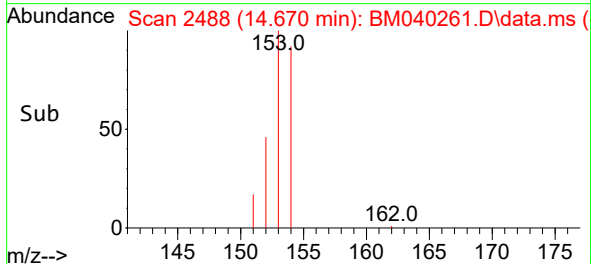
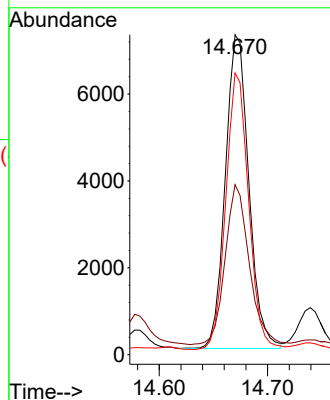
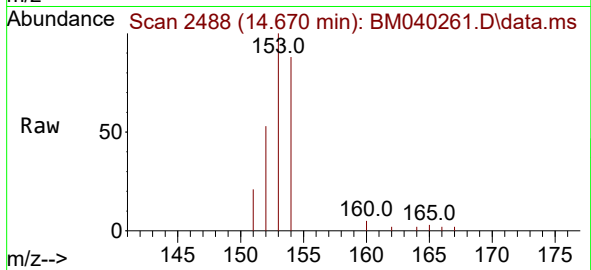
Tgt Ion:153 Resp: 10894

Ion Ratio Lower Upper

153 100

152 53.1 40.3 60.5

154 88.0 70.5 105.7



#12

Fluorene

Concen: 0.240 ng/ul

RT: 15.655 min Scan# 2701

Delta R.T. -0.004 min

Lab File: BM040261.D

Acq: 15 Jun 2023 16:11

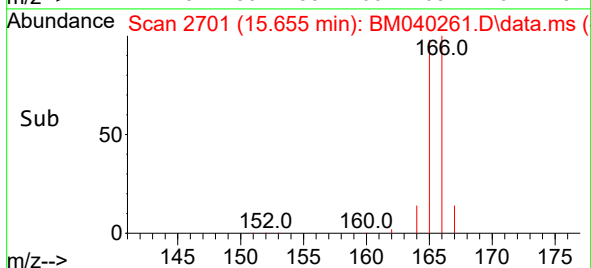
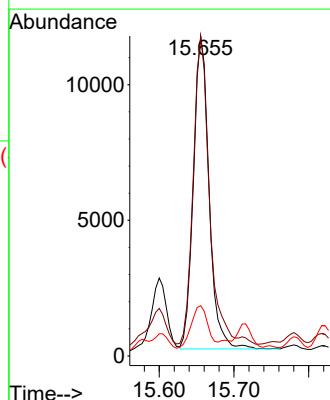
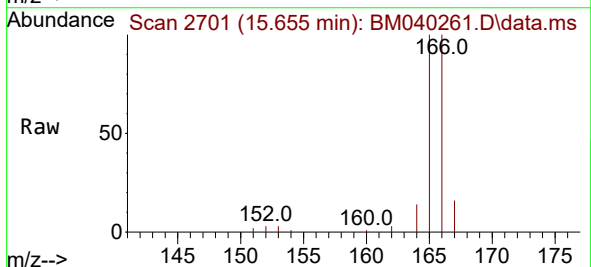
Tgt Ion:166 Resp: 16810

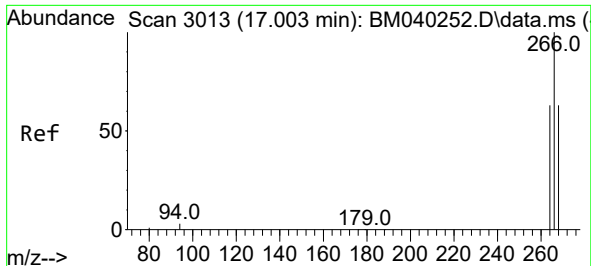
Ion Ratio Lower Upper

166 100

165 99.8 78.2 117.4

167 15.7 11.0 16.4

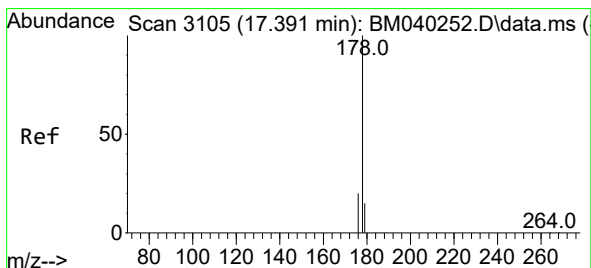
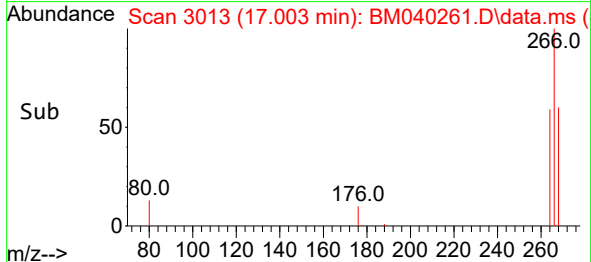
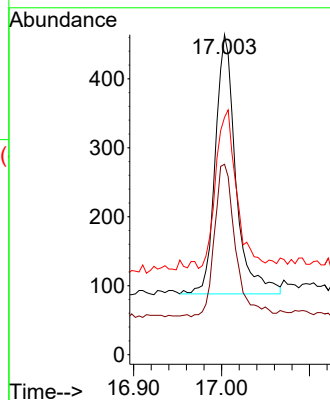
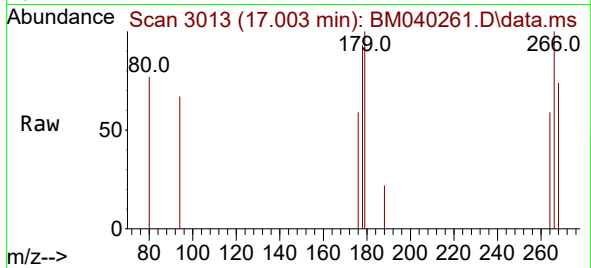




#14
Pentachlorophenol
Concen: 0.079 ng/ul
RT: 17.003 min Scan# 3013
Delta R.T. -0.004 min
Lab File: BM040261.D
Acq: 15 Jun 2023 16:11

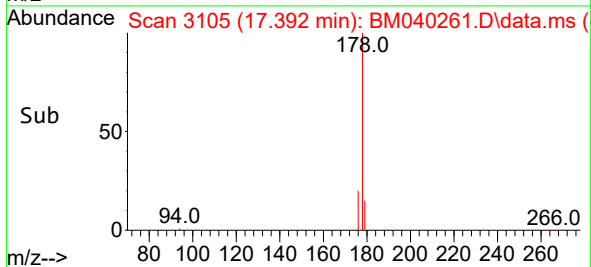
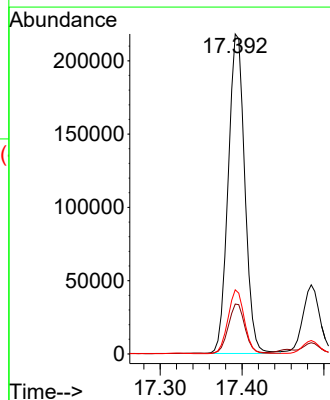
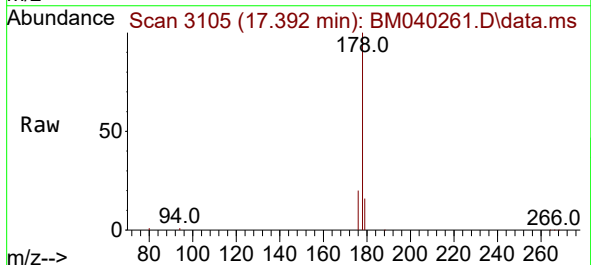
Instrument :
BNA_M
ClientSampleId :
DCFR9

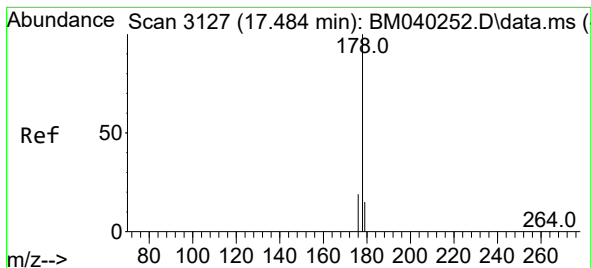
Tgt Ion:266 Resp: 609
Ion Ratio Lower Upper
266 100
264 60.3 49.4 74.0
268 63.2 51.3 76.9



#15
Phenanthrene
Concen: 3.071 ng/ul
RT: 17.392 min Scan# 3105
Delta R.T. -0.004 min
Lab File: BM040261.D
Acq: 15 Jun 2023 16:11

Tgt Ion:178 Resp: 306645
Ion Ratio Lower Upper
178 100
179 15.6 12.6 19.0
176 20.1 16.1 24.1





#16

Anthracene

Concen: 0.812 ng/ul

RT: 17.485 min Scan# 31

Delta R.T. -0.004 min

Lab File: BM040261.D

Acq: 15 Jun 2023 16:11

Instrument :

BNA_M

ClientSampleId :

DCFR9

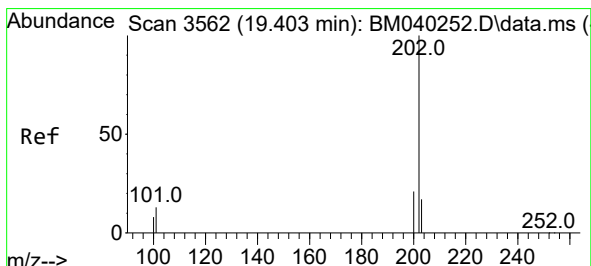
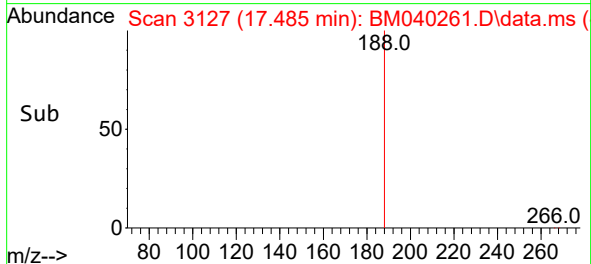
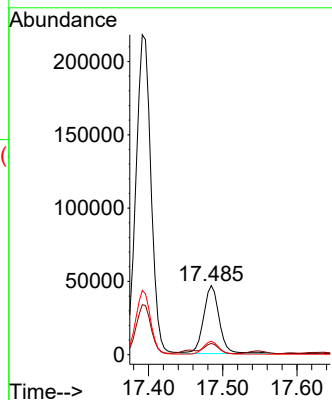
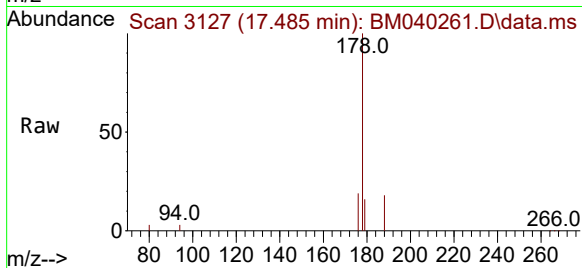
Tgt Ion:178 Resp: 68718

Ion Ratio Lower Upper

178 100

179 16.1 13.0 19.4

176 19.4 15.5 23.3



#19

Fluoranthene

Concen: 8.281 ng/ul

RT: 19.408 min Scan# 3563

Delta R.T. 0.000 min

Lab File: BM040261.D

Acq: 15 Jun 2023 16:11

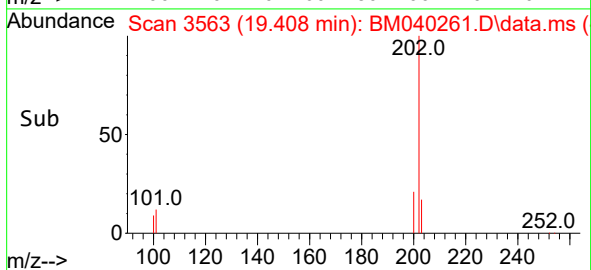
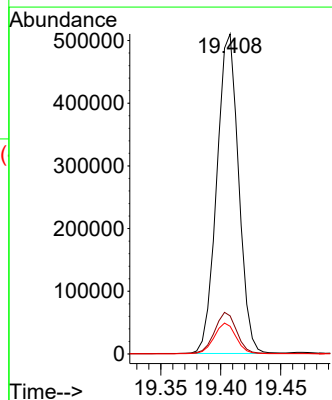
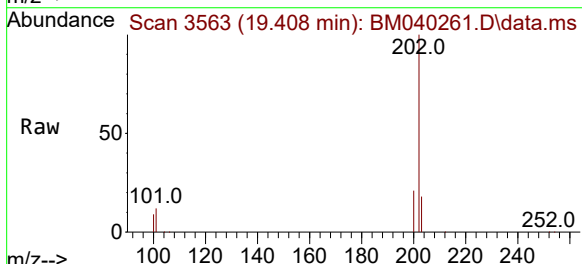
Tgt Ion:202 Resp: 646229

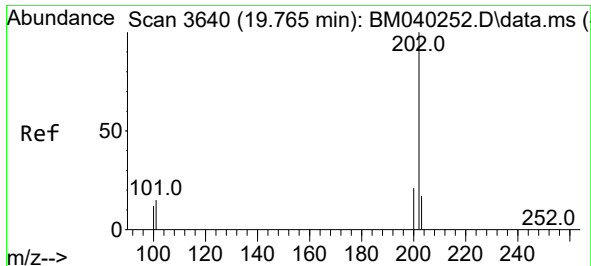
Ion Ratio Lower Upper

202 100

101 11.9 10.2 15.4

100 8.6 7.6 11.4

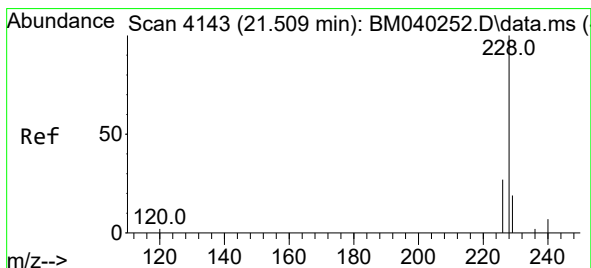
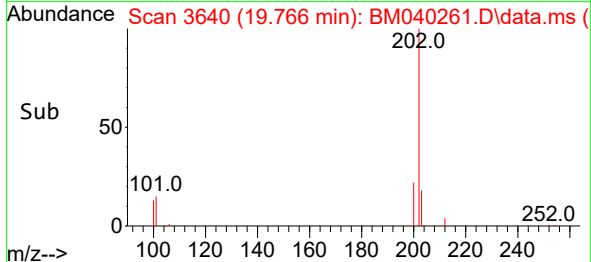
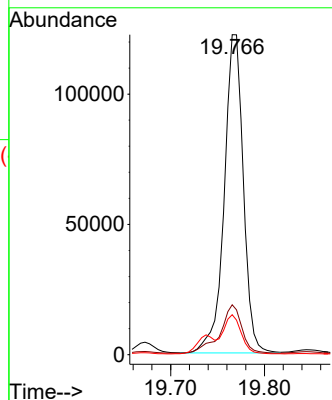
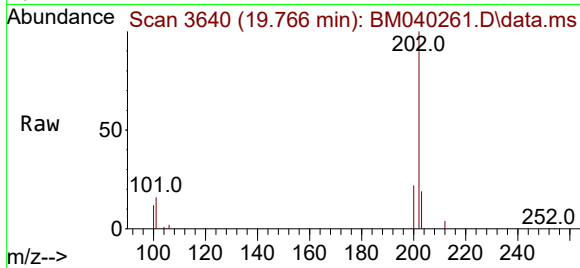




#20
Pyrene
Concen: 2.136 ng/ul
RT: 19.766 min Scan# 3
Delta R.T. -0.004 min
Lab File: BM040261.D
Acq: 15 Jun 2023 16:11

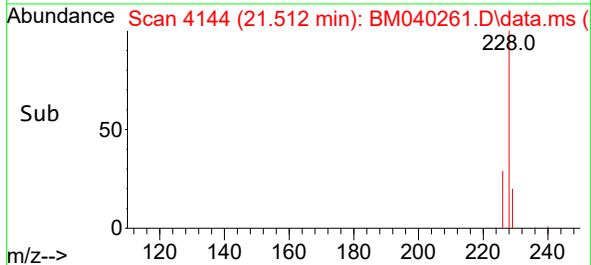
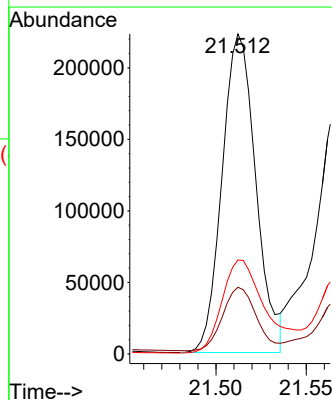
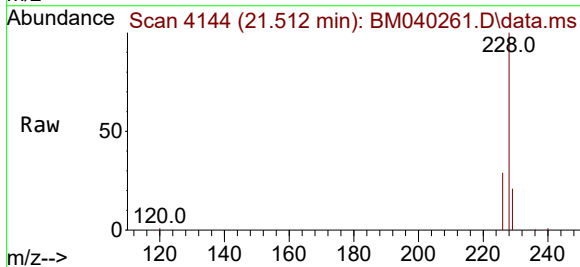
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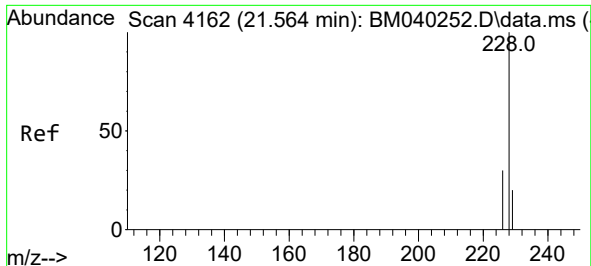
Tgt Ion:202 Resp: 173163
Ion Ratio Lower Upper
202 100
101 15.6 11.8 17.8
100 12.5 9.3 13.9



#21
Benzo(a)anthracene
Concen: 4.289 ng/ul
RT: 21.512 min Scan# 4144
Delta R.T. -0.003 min
Lab File: BM040261.D
Acq: 15 Jun 2023 16:11

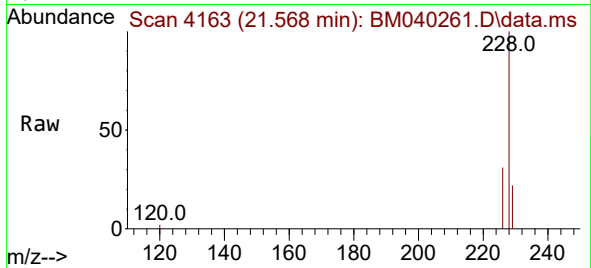
Tgt Ion:228 Resp: 290005
Ion Ratio Lower Upper
228 100
229 20.9 15.8 23.8
226 29.3 22.0 33.0



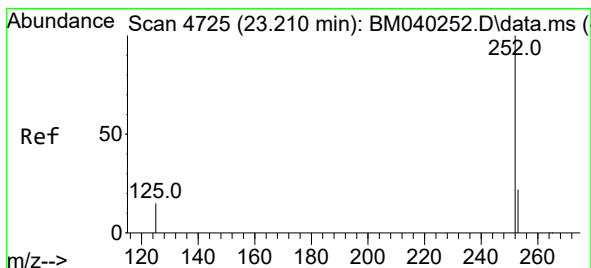
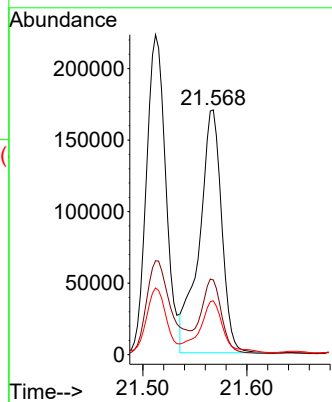
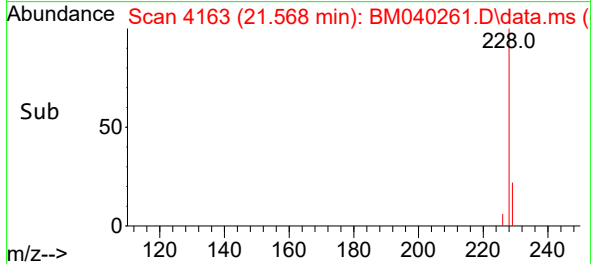


#22
Chrysene
Concen: 3.545 ng/ul
RT: 21.568 min Scan# 4163
Delta R.T. -0.003 min
Lab File: BM040261.D
Acq: 15 Jun 2023 16:11

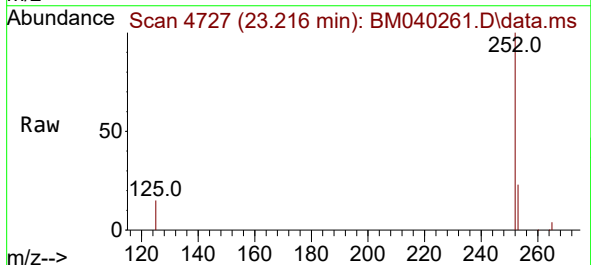
Instrument :
BNA_M
ClientSampleId :
DCFR9



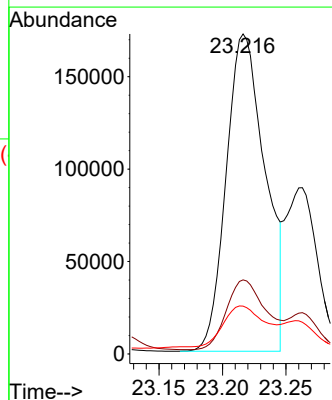
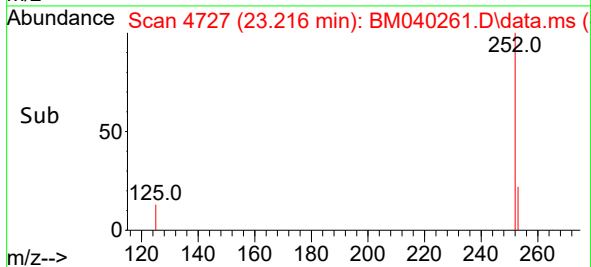
Tgt Ion:228 Resp: 253245
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 22.0 15.7 23.5

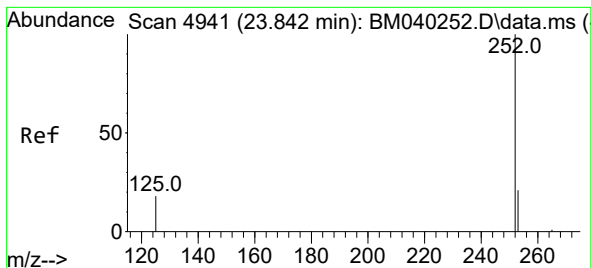


#24
Benzo(b)fluoranthene
Concen: 4.473 ng/ul
RT: 23.216 min Scan# 4727
Delta R.T. 0.000 min
Lab File: BM040261.D
Acq: 15 Jun 2023 16:11



Tgt Ion:252 Resp: 366949
Ion Ratio Lower Upper
252 100
253 23.2 0.0 52.4
125 14.9 0.0 38.4





#26

Benzo(a)pyrene

Concen: 0.605 ng/ul

RT: 23.845 min Scan# 4941

Delta R.T. -0.006 min

Lab File: BM040261.D

Acq: 15 Jun 2023 16:11

Instrument :

BNA_M

ClientSampleId :

DCFR9

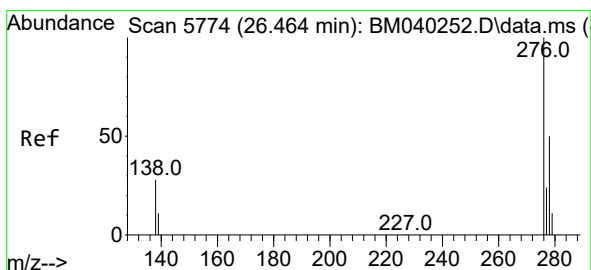
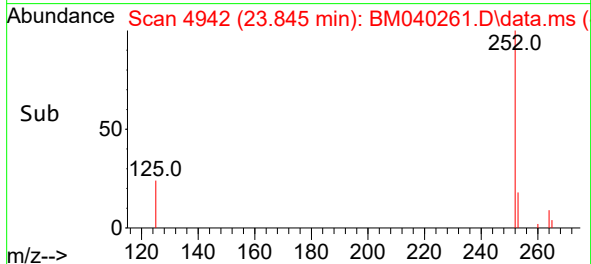
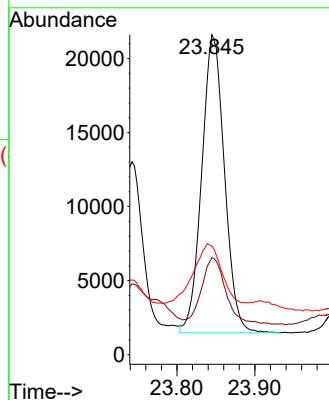
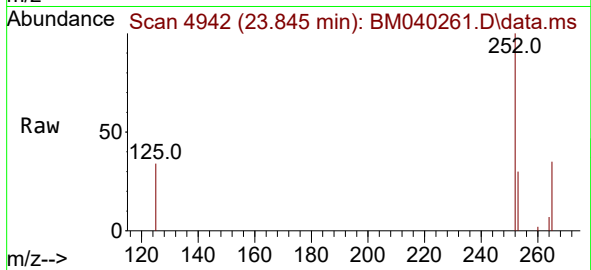
Tgt Ion:252 Resp: 40754

Ion Ratio Lower Upper

252 100

253 30.3 23.4 35.0

125 33.9 19.7 29.5#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.758 ng/ul

RT: 26.471 min Scan# 5776

Delta R.T. -0.006 min

Lab File: BM040261.D

Acq: 15 Jun 2023 16:11

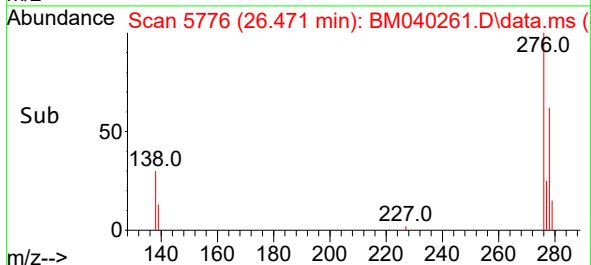
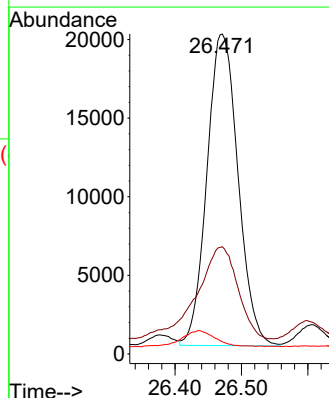
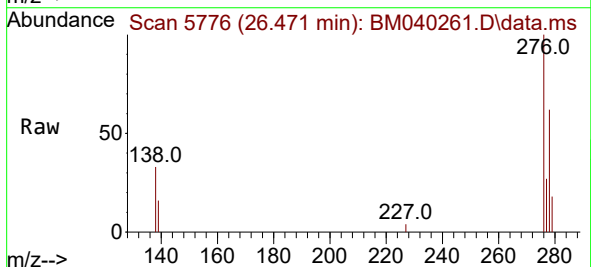
Tgt Ion:276 Resp: 64605

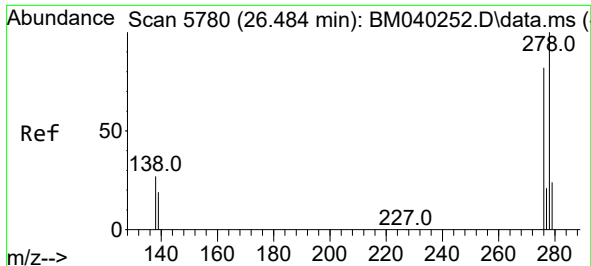
Ion Ratio Lower Upper

276 100

138 39.9 23.3 34.9#

227 0.0 0.1 0.1#

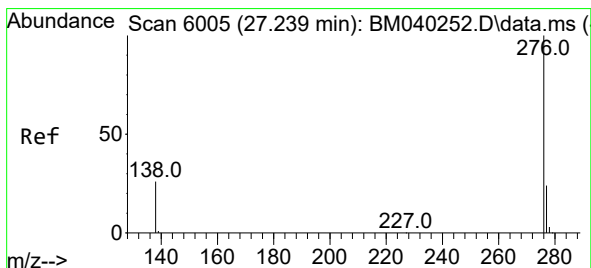
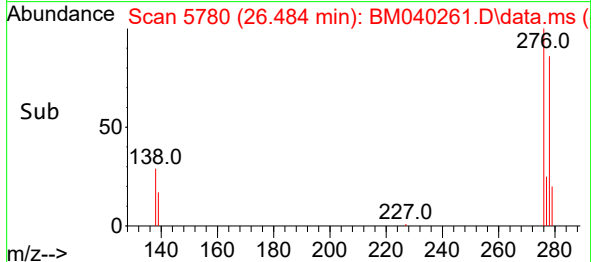
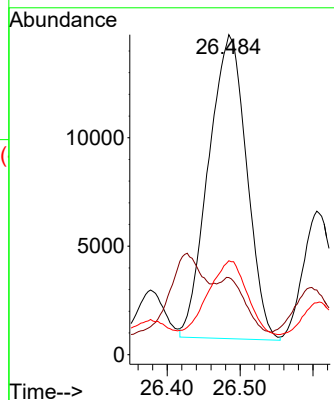
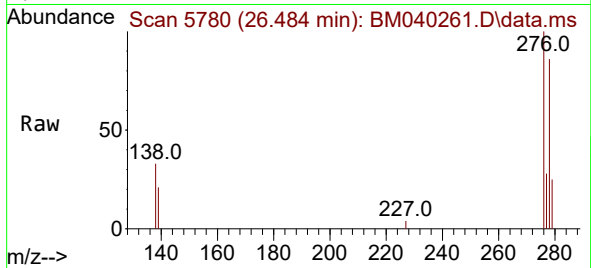




#28
Dibenzo(a,h)anthracene
Concen: 0.744 ng/ul
RT: 26.484 min Scan# 51
Delta R.T. -0.013 min
Lab File: BM040261.D
Acq: 15 Jun 2023 16:11

Instrument :
BNA_M
ClientSampleId :
DCFR9

Tgt Ion:278 Resp: 50894
Ion Ratio Lower Upper
278 100
139 24.1 16.4 24.6
279 29.4 21.8 32.8



#29
Benzo(g,h,i)perylene
Concen: 0.078 ng/ul
RT: 27.249 min Scan# 6008
Delta R.T. -0.006 min
Lab File: BM040261.D
Acq: 15 Jun 2023 16:11

Tgt Ion:276 Resp: 5528
Ion Ratio Lower Upper
276 100
138 102.8 21.0 31.4#
277 38.3 19.6 29.4#

