

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041109.D
 Acq On : 25 Jul 2023 17:05
 Operator : MA/JU
 Sample : 03534-12
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4724

Quant Time: Jul 26 04:40:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 26 04:20:13 2023
 Response via : Initial Calibration

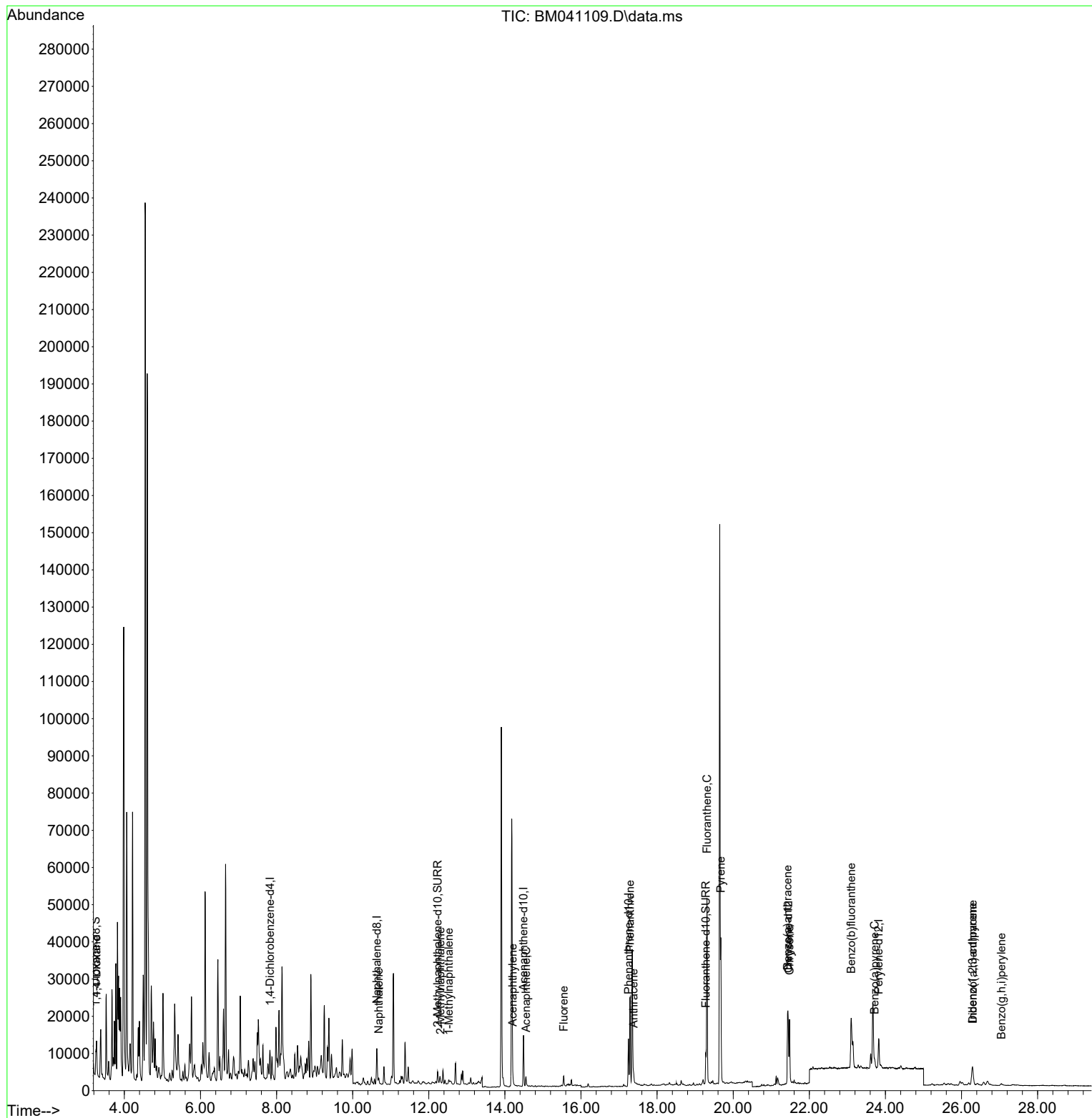
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	4176	0.400	ng/ul	0.00
4) Naphthalene-d8	10.636	136	14016	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.490	164	7510	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.249	188	15472	0.400	ng/ul	0.00
17) Chrysene-d12	21.445	240	13454	0.400	ng/ul	0.00
23) Perylene-d12	23.825	264	11159	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	3805	0.591	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.231	152	4809	0.240	ng/ul	0.00
18) Fluoranthene-d10	19.283	212	9415	0.257	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.271	88	1415	0.215	ng/ul#	1
5) Naphthalene	10.686	128	2283	0.050	ng/ul#	85
7) 2-Methylnaphthalene	12.308	142	580	0.026	ng/ul	100
8) 1-Methylnaphthalene	12.528	142	568	0.025	ng/ul	89
10) Acenaphthylene	14.208	152	1365	0.043	ng/ul#	66
11) Acenaphthene	14.555	153	1940	0.072	ng/ul	98
12) Fluorene	15.545	166	1803	0.062	ng/ul#	93
15) Phenanthrene	17.291	178	25724	0.539	ng/ul	99
16) Anthracene	17.384	178	2173	0.056	ng/ul#	84
19) Fluoranthene	19.311	202	43241	0.897	ng/ul	99
20) Pyrene	19.673	202	31907	0.600	ng/ul	99
21) Benzo(a)anthracene	21.428	228	14470	0.322	ng/ul	96
22) Chrysene	21.480	228	18082	0.348	ng/ul	97
24) Benzo(b)fluoranthene	23.100	252	24601	0.553	ng/ul	96
26) Benzo(a)pyrene	23.717	252	2778	0.077	ng/ul#	29
27) Indeno(1,2,3-cd)pyrene	26.287	276	8616	0.162	ng/ul#	94
28) Dibenzo(a,h)anthracene	26.294	278	2690	0.064	ng/ul#	45
29) Benzo(g,h,i)perylene	27.048	276	1045	0.022	ng/ul#	27

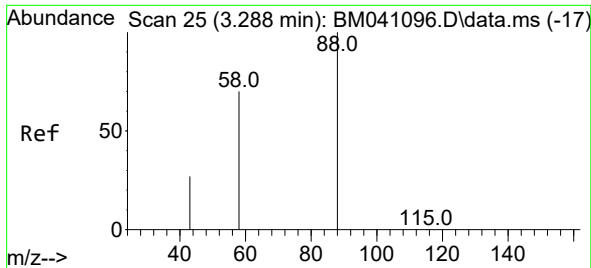
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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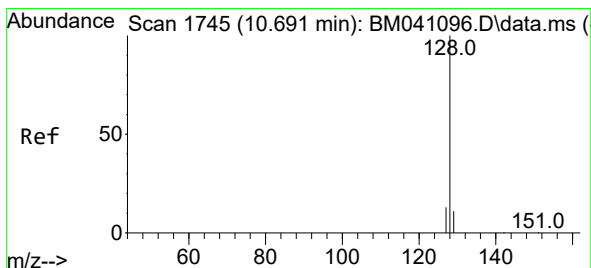
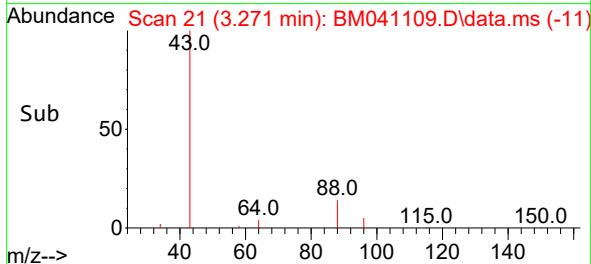
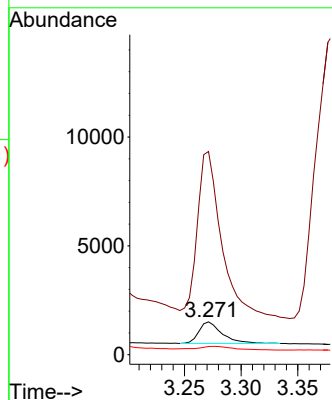
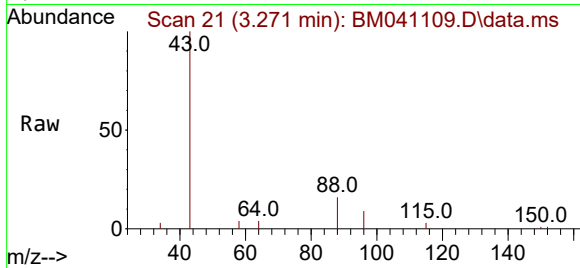




#2
1,4-Dioxane
Concen: 0.215 ng/ul
RT: 3.271 min Scan# 21
Delta R.T. -0.017 min
Lab File: BM041109.D
Acq: 25 Jul 2023 17:05

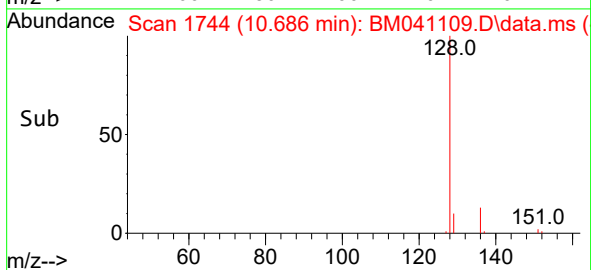
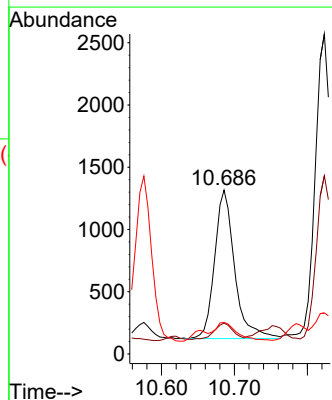
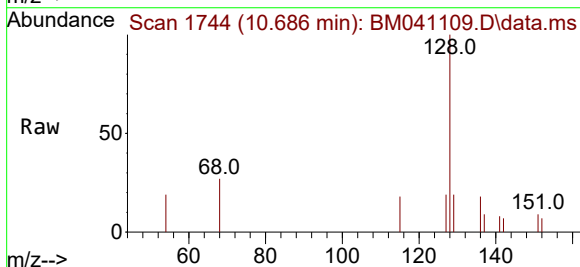
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ClientSampleId :
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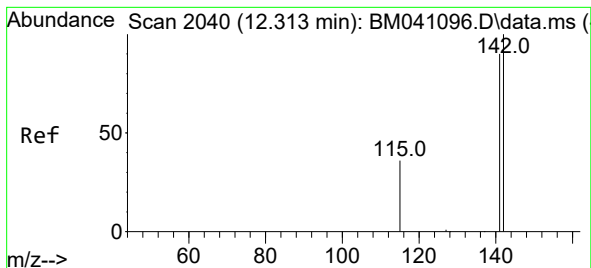
Tgt Ion: 88 Resp: 1415
Ion Ratio Lower Upper
88 100
43 619.6 83.1 124.7#
58 24.7 38.8 58.2#



#5
Naphthalene
Concen: 0.050 ng/ul
RT: 10.686 min Scan# 1744
Delta R.T. -0.005 min
Lab File: BM041109.D
Acq: 25 Jul 2023 17:05

Tgt Ion: 128 Resp: 2283
Ion Ratio Lower Upper
128 100
129 18.8 9.8 14.8#
127 19.3 11.1 16.7#

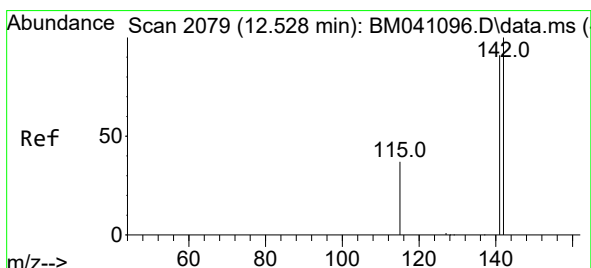
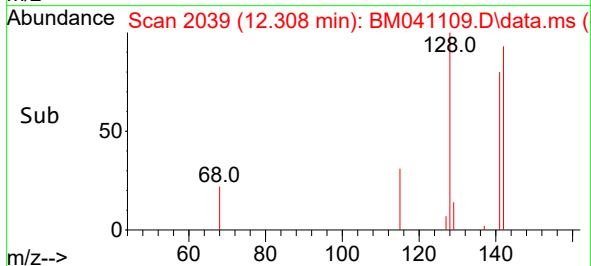
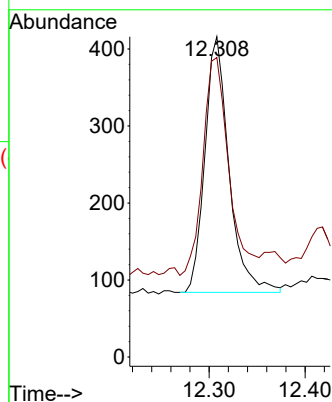
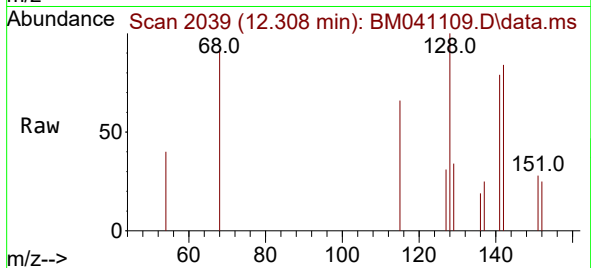




#7
2-Methylnaphthalene
Concen: 0.026 ng/ul
RT: 12.308 min Scan# 2040
Delta R.T. -0.005 min
Lab File: BM041109.D
Acq: 25 Jul 2023 17:05

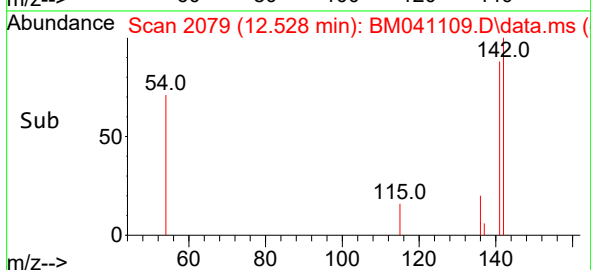
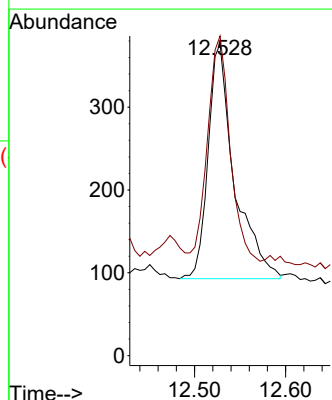
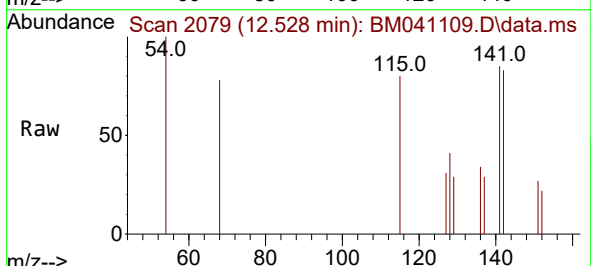
Instrument :
BNA_P
ClientSampleId :
A4724

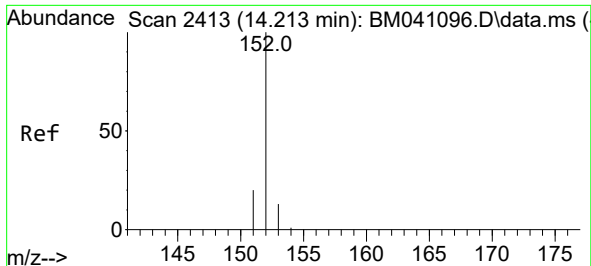
Tgt Ion:142 Resp: 580
Ion Ratio Lower Upper
142 100
141 91.6 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.025 ng/ul
RT: 12.528 min Scan# 2079
Delta R.T. 0.000 min
Lab File: BM041109.D
Acq: 25 Jul 2023 17:05

Tgt Ion:142 Resp: 568
Ion Ratio Lower Upper
142 100
141 81.5 73.6 110.4

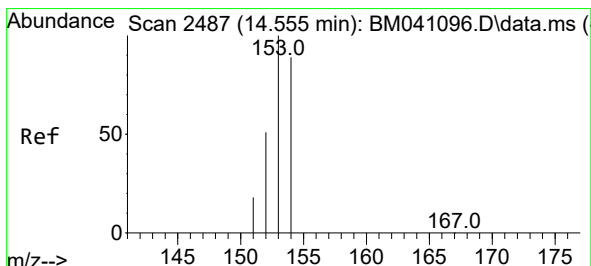
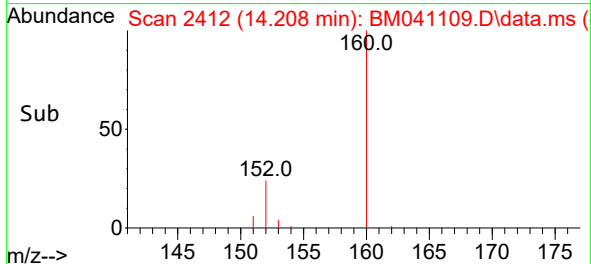
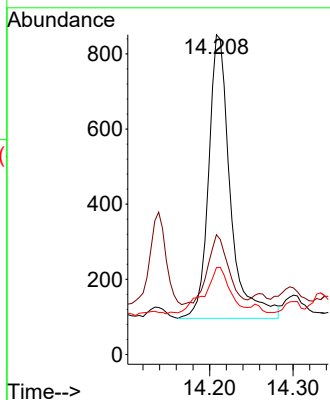
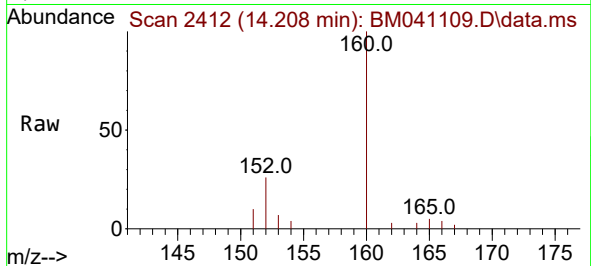




#10
 Acenaphthylene
 Concen: 0.043 ng/ul
 RT: 14.208 min Scan# 2412
 Delta R.T. -0.005 min
 Lab File: BM041109.D
 Acq: 25 Jul 2023 17:05

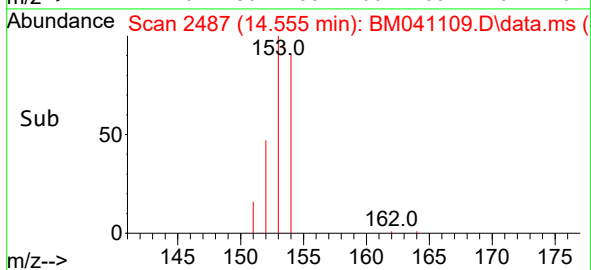
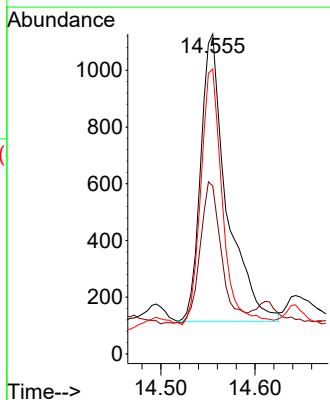
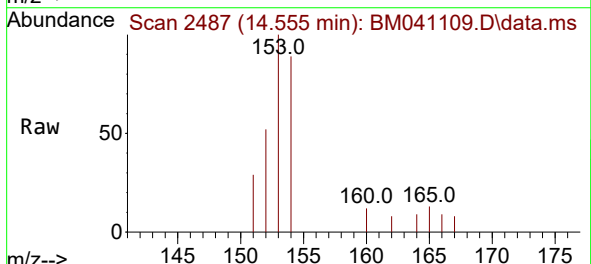
Instrument :
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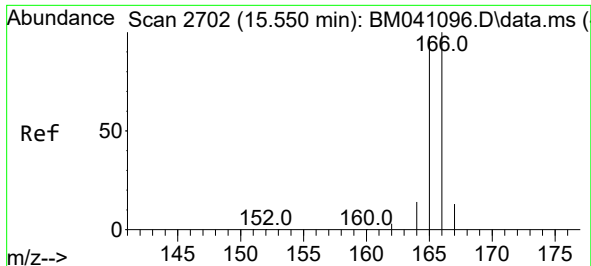
Tgt Ion:152 Resp: 1365
 Ion Ratio Lower Upper
 152 100
 151 37.5 16.8 25.2#
 153 27.1 11.4 17.2#



#11
 Acenaphthene
 Concen: 0.072 ng/ul
 RT: 14.555 min Scan# 2487
 Delta R.T. 0.000 min
 Lab File: BM041109.D
 Acq: 25 Jul 2023 17:05

Tgt Ion:153 Resp: 1940
 Ion Ratio Lower Upper
 153 100
 152 52.5 40.2 60.4
 154 89.0 70.3 105.5

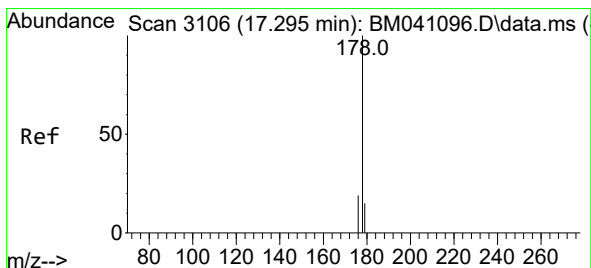
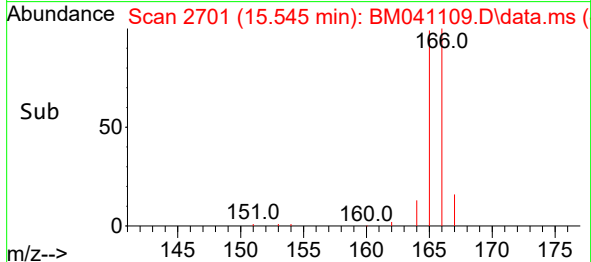
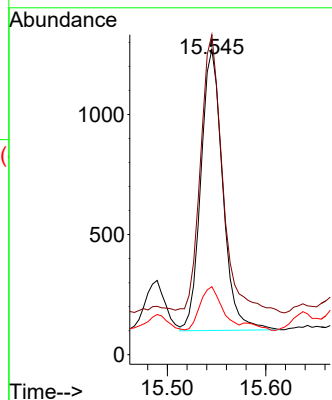
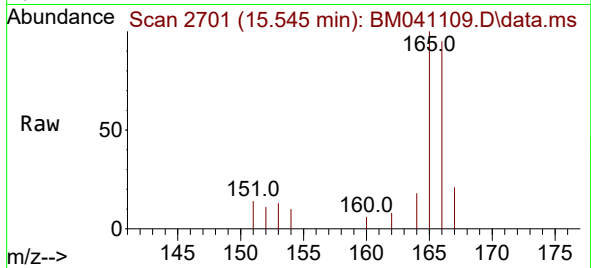




#12
Fluorene
Concen: 0.062 ng/ul
RT: 15.545 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM041109.D
Acq: 25 Jul 2023 17:05

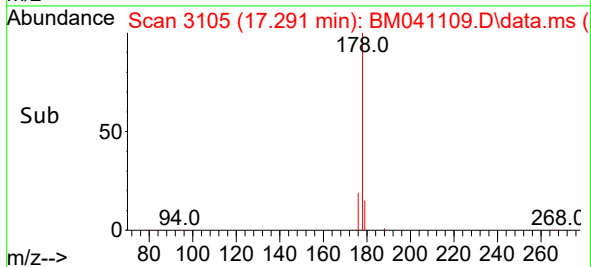
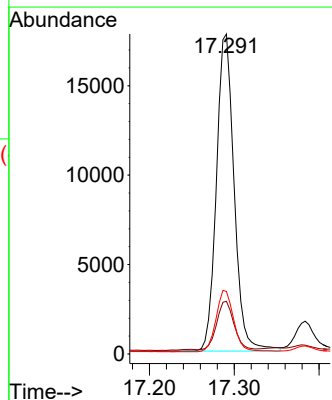
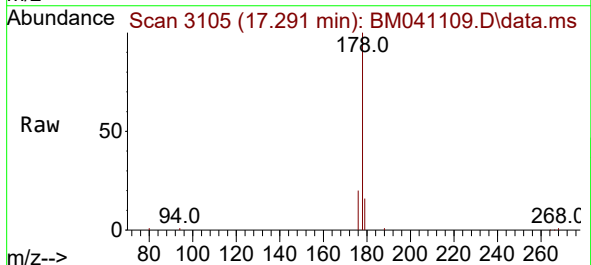
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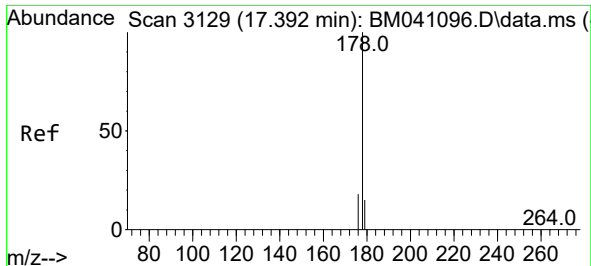
Tgt Ion:166 Resp: 1803
Ion Ratio Lower Upper
166 100
165 104.8 79.4 119.0
167 22.3 11.4 17.2#



#15
Phenanthrene
Concen: 0.539 ng/ul
RT: 17.291 min Scan# 3105
Delta R.T. -0.004 min
Lab File: BM041109.D
Acq: 25 Jul 2023 17:05

Tgt Ion:178 Resp: 25724
Ion Ratio Lower Upper
178 100
179 16.5 13.4 20.2
176 19.6 16.0 24.0

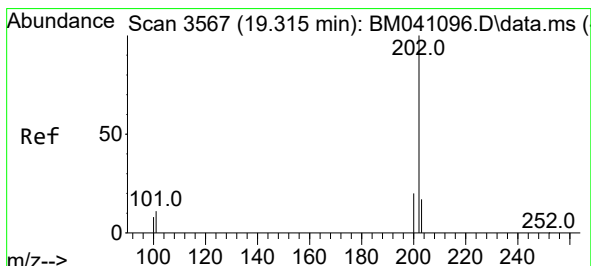
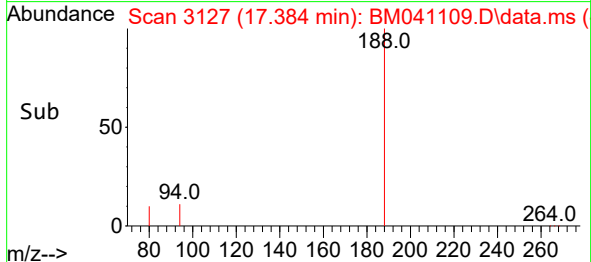
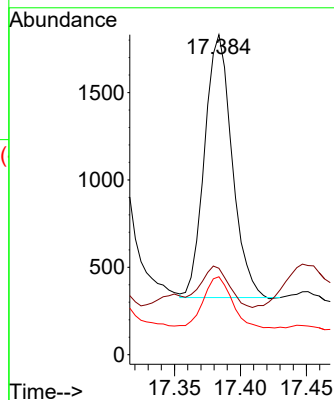
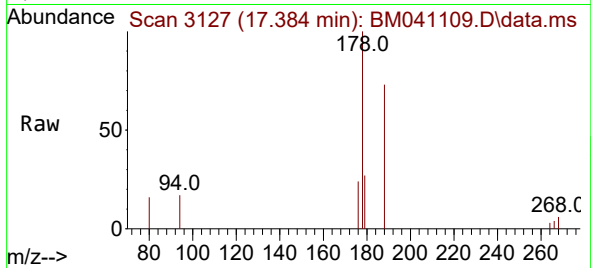




#16
 Anthracene
 Concen: 0.056 ng/ul
 RT: 17.384 min Scan# 3127
 Delta R.T. -0.008 min
 Lab File: BM041109.D
 Acq: 25 Jul 2023 17:05

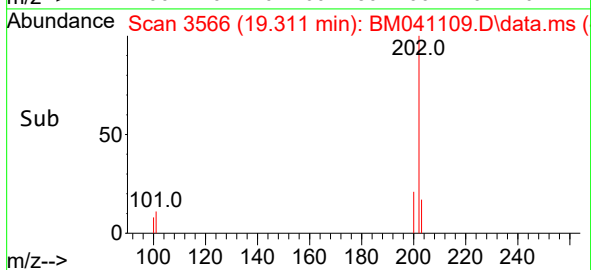
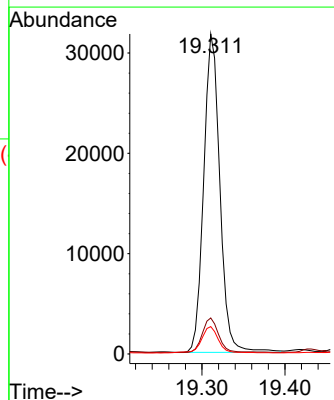
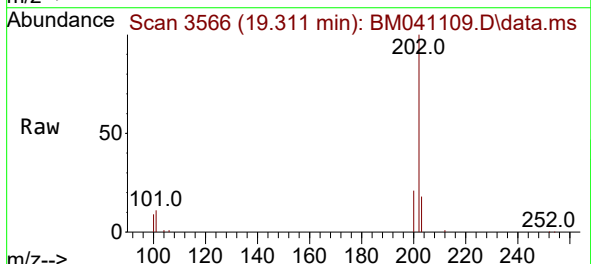
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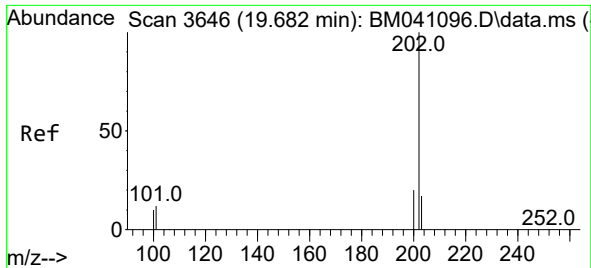
Tgt Ion:178 Resp: 2173
 Ion Ratio Lower Upper
 178 100
 179 27.0 13.6 20.4#
 176 24.4 16.0 24.0#



#19
 Fluoranthene
 Concen: 0.897 ng/ul
 RT: 19.311 min Scan# 3566
 Delta R.T. -0.005 min
 Lab File: BM041109.D
 Acq: 25 Jul 2023 17:05

Tgt Ion:202 Resp: 43241
 Ion Ratio Lower Upper
 202 100
 101 11.2 9.4 14.0
 100 8.5 7.1 10.7

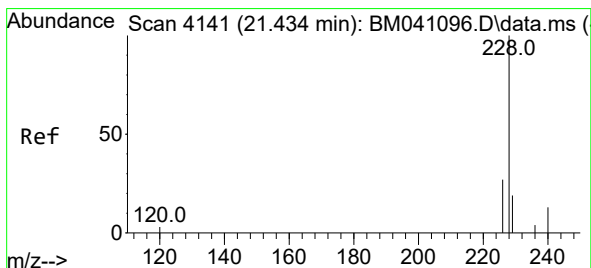
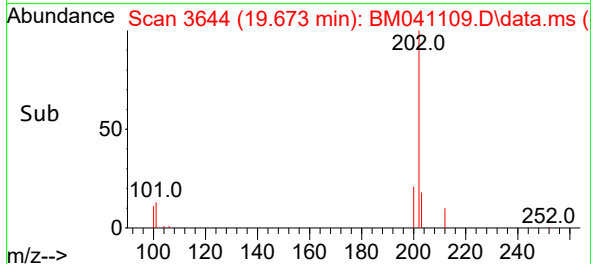
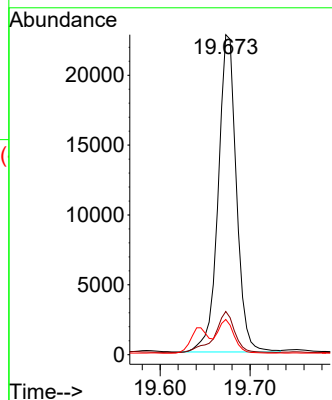
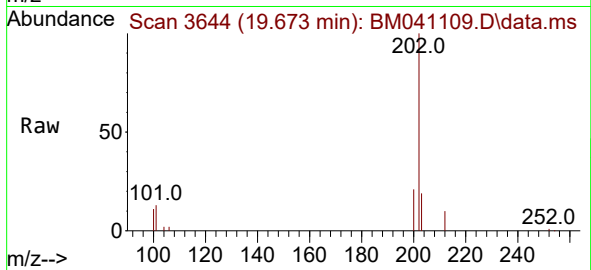




#20
Pyrene
Concen: 0.600 ng/ul
RT: 19.673 min Scan# 31907
Delta R.T. -0.009 min
Lab File: BM041109.D
Acq: 25 Jul 2023 17:05

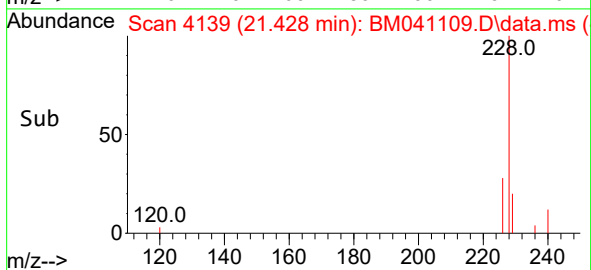
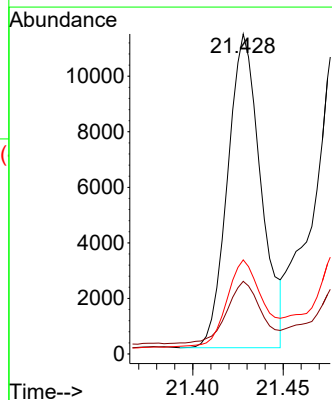
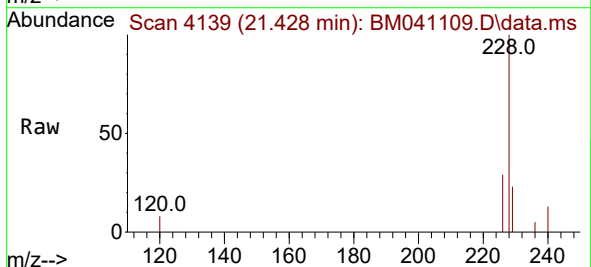
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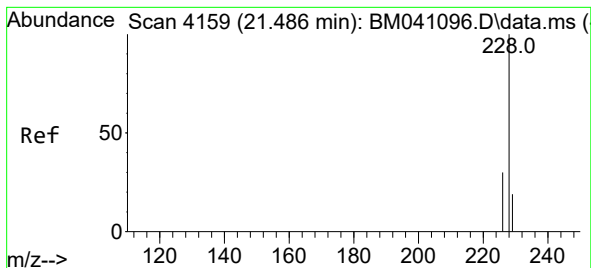
Tgt Ion:202 Resp: 31907
Ion Ratio Lower Upper
202 100
101 13.5 10.7 16.1
100 11.0 8.5 12.7



#21
Benzo(a)anthracene
Concen: 0.322 ng/ul
RT: 21.428 min Scan# 4139
Delta R.T. -0.006 min
Lab File: BM041109.D
Acq: 25 Jul 2023 17:05

Tgt Ion:228 Resp: 14470
Ion Ratio Lower Upper
228 100
229 22.7 16.5 24.7
226 29.4 22.2 33.2





#22

Chrysene

Concen: 0.348 ng/ul

RT: 21.480 min Scan# 4159

Delta R.T. -0.006 min

Lab File: BM041109.D

Acq: 25 Jul 2023 17:05

Instrument :

BNA_P

ClientSampleId :

A4724

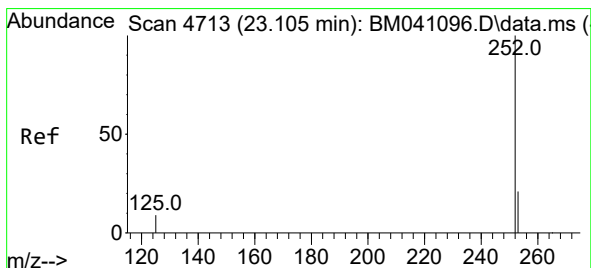
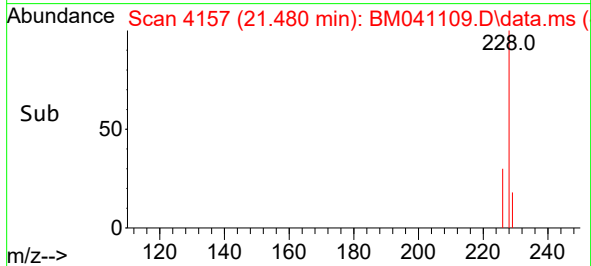
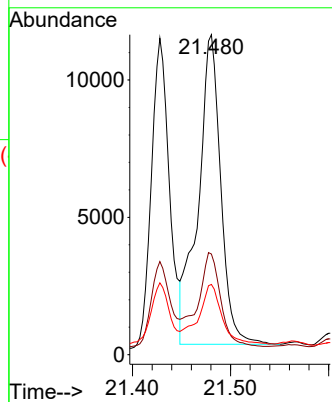
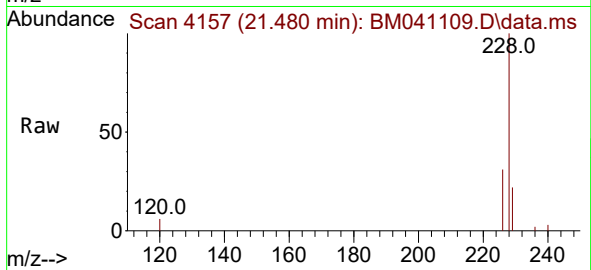
Tgt Ion:228 Resp: 18082

Ion Ratio Lower Upper

228 100

226 31.5 24.2 36.4

229 22.0 15.9 23.9



#24

Benzo(b)fluoranthene

Concen: 0.553 ng/ul

RT: 23.100 min Scan# 4711

Delta R.T. -0.006 min

Lab File: BM041109.D

Acq: 25 Jul 2023 17:05

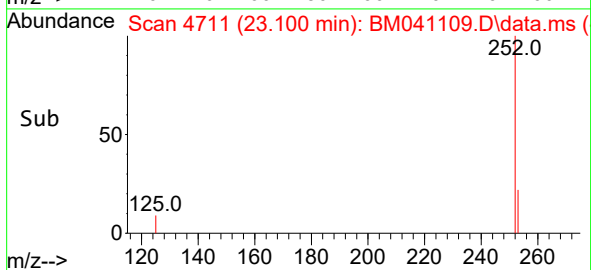
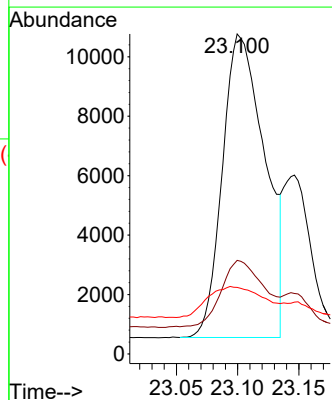
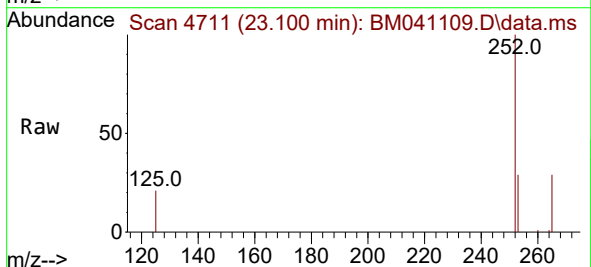
Tgt Ion:252 Resp: 24601

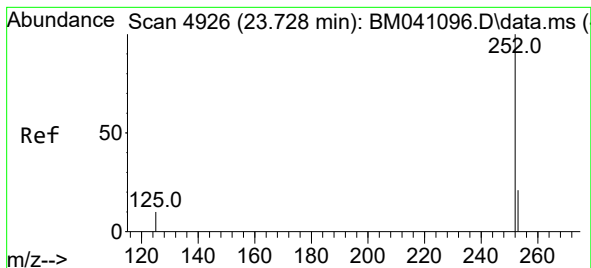
Ion Ratio Lower Upper

252 100

253 29.3 0.0 57.6

125 20.8 0.0 33.6





#26

Benzo(a)pyrene

Concen: 0.077 ng/ul

RT: 23.717 min Scan# 4922

Delta R.T. -0.012 min

Lab File: BM041109.D

Acq: 25 Jul 2023 17:05

Instrument :

BNA_P

ClientSampleId :

A4724

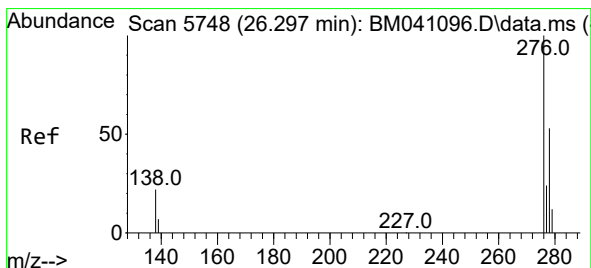
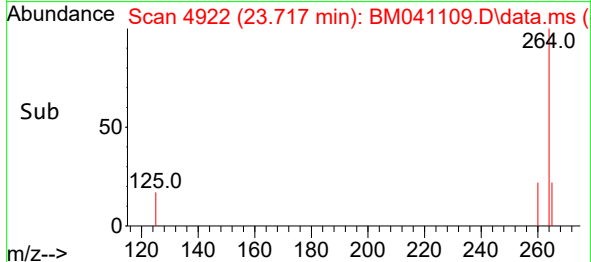
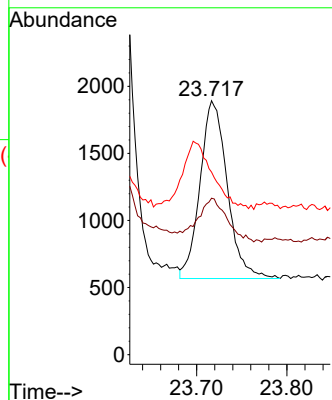
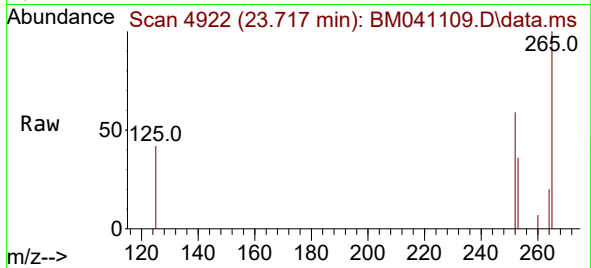
Tgt Ion:252 Resp: 2778

Ion Ratio Lower Upper

252 100

253 61.6 26.7 40.1#

125 71.8 18.1 27.1#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.162 ng/ul

RT: 26.287 min Scan# 5745

Delta R.T. -0.010 min

Lab File: BM041109.D

Acq: 25 Jul 2023 17:05

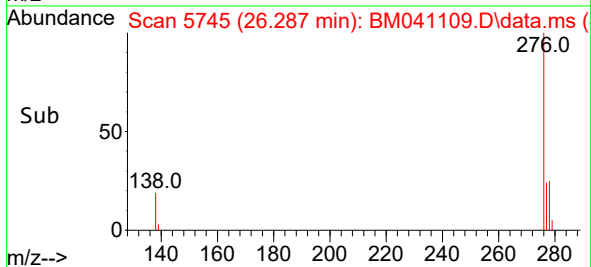
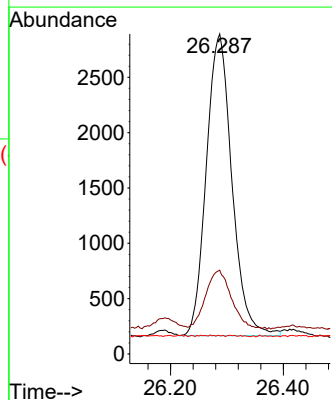
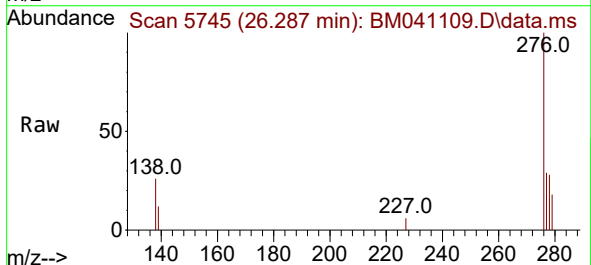
Tgt Ion:276 Resp: 8616

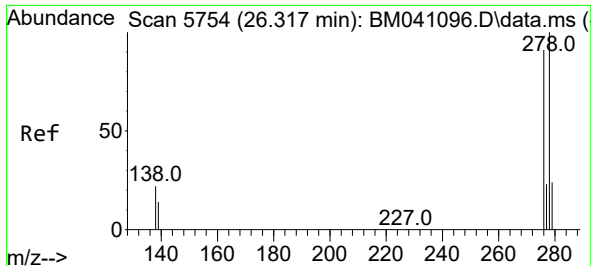
Ion Ratio Lower Upper

276 100

138 19.6 18.1 27.1

227 0.1 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.064 ng/ul

RT: 26.294 min Scan# 51

Delta R.T. -0.023 min

Lab File: BM041109.D

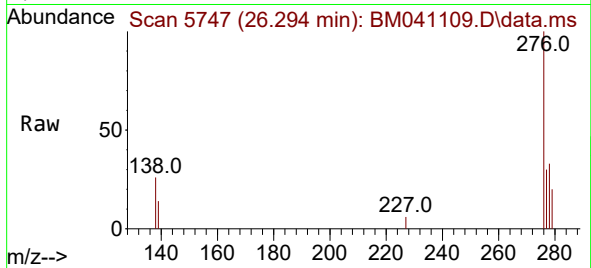
Acq: 25 Jul 2023 17:05

Instrument :

BNA_P

ClientSampleId :

A4724



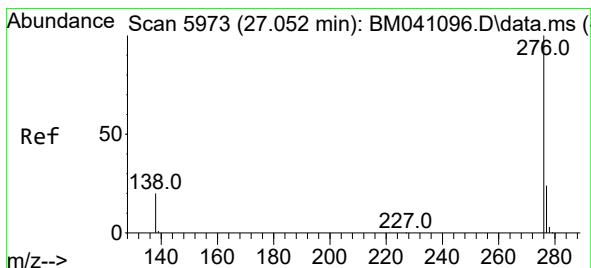
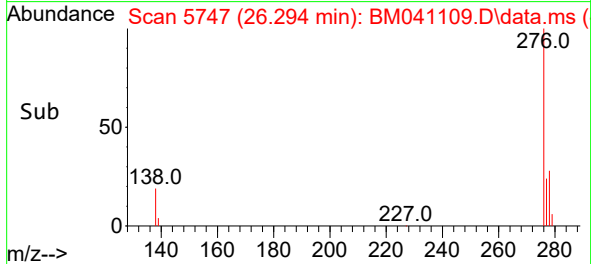
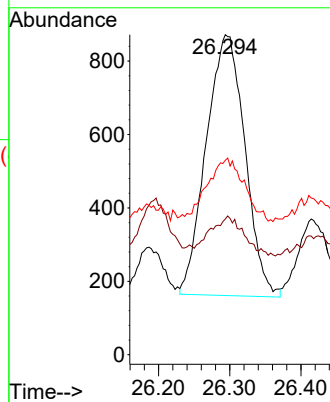
Tgt Ion:278 Resp: 2690

Ion Ratio Lower Upper

278 100

139 42.4 14.1 21.1#

279 60.8 25.0 37.4#



#29

Benzo(g,h,i)perylene

Concen: 0.022 ng/ul

RT: 27.048 min Scan# 5972

Delta R.T. -0.003 min

Lab File: BM041109.D

Acq: 25 Jul 2023 17:05

Tgt Ion:276 Resp: 1045

Ion Ratio Lower Upper

276 100

138 63.2 18.2 27.2#

277 58.1 20.6 30.8#

