

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082423\
 Data File : BM041507.D
 Acq On : 25 Aug 2023 23:29
 Operator : MA/JU
 Sample : 04037-07
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYE3

Quant Time: Aug 26 00:19:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM082423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 24 18:34:12 2023
 Response via : Initial Calibration

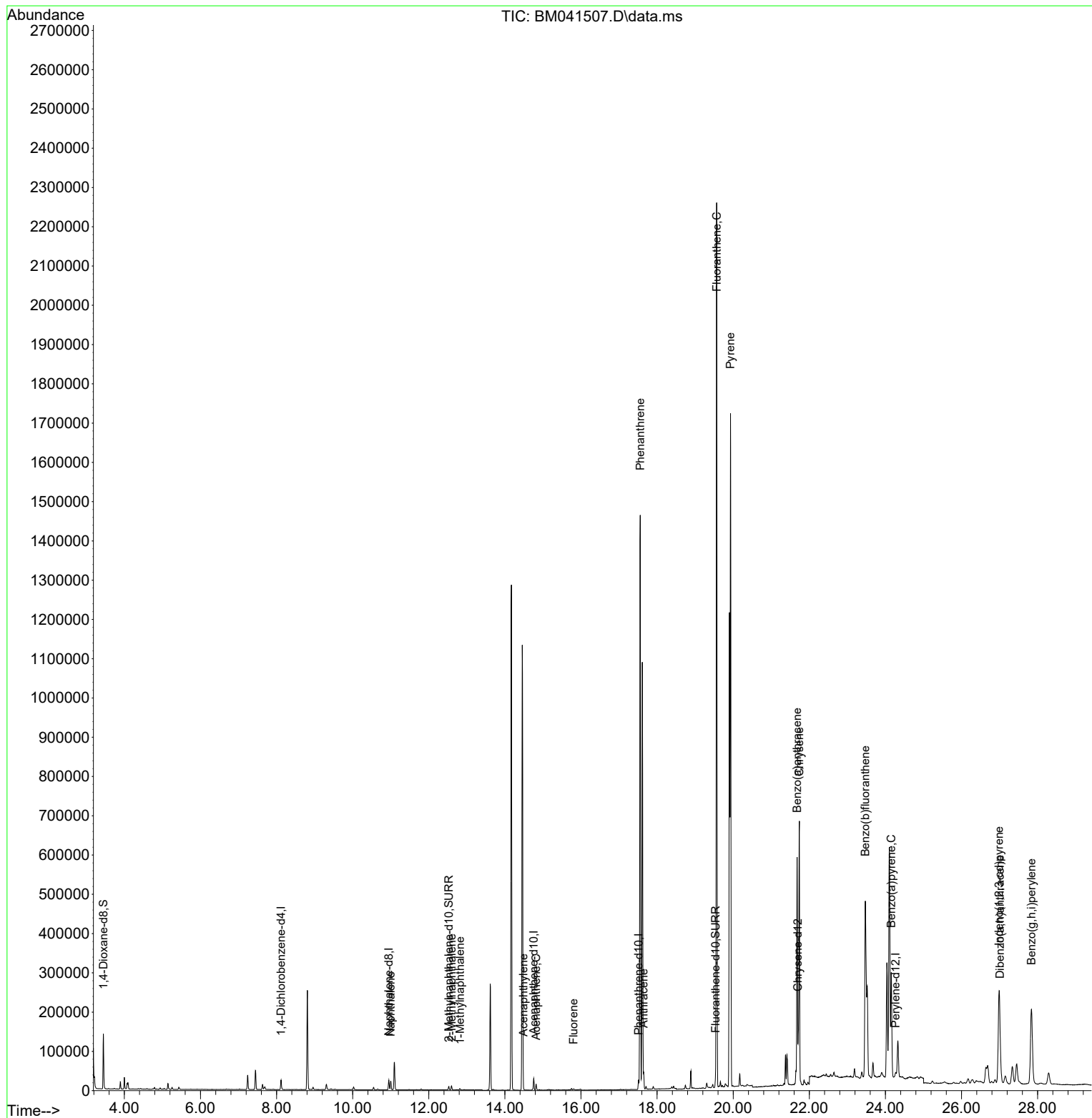
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.118	152	11963	0.400	ng/ul	0.00
4) Naphthalene-d8	10.950	136	32348	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.759	164	15213	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.515	188	26581	0.400	ng/ul	0.00
17) Chrysene-d12	21.697	240	13106	0.400	ng/ul	# 0.00
23) Perylene-d12	24.269	264	15566	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.448	96	80260	5.301	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.528	152	10898	0.255	ng/ul	0.00
18) Fluoranthene-d10	19.534	212	14714	0.255	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.999	128	29970	0.311	ng/ul	99
7) 2-Methylnaphthalene	12.599	142	7041	0.122	ng/ul	99
8) 1-Methylnaphthalene	12.819	142	2315	0.039	ng/ul	98
10) Acenaphthylene	14.486	152	4042	0.044	ng/ul#	84
11) Acenaphthene	14.819	153	8662	0.136	ng/ul	98
12) Fluorene	15.804	166	1620	0.023	ng/ul#	83
15) Phenanthrene	17.557	178	1515146	15.525	ng/ul	100
16) Anthracene	17.645	178	43008	0.484	ng/ul	97
19) Fluoranthene	19.566	202	1886954	15.687	ng/ul	97
20) Pyrene	19.929	202	1358562	11.198	ng/ul	99
21) Benzo(a)anthracene	21.679	228	513335	6.019	ng/ul	97
22) Chrysene	21.737	228	651696	7.072	ng/ul	98
24) Benzo(b)fluoranthene	23.471	252	831935	7.804	ng/ul	95
26) Benzo(a)pyrene	24.155	252	399820	4.564	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	26.988	276	462424	4.225	ng/ul#	87
28) Dibenzo(a,h)anthracene	27.011	278	105758	1.263	ng/ul#	73
29) Benzo(g,h,i)perylene	27.836	276	458802	4.760	ng/ul	98

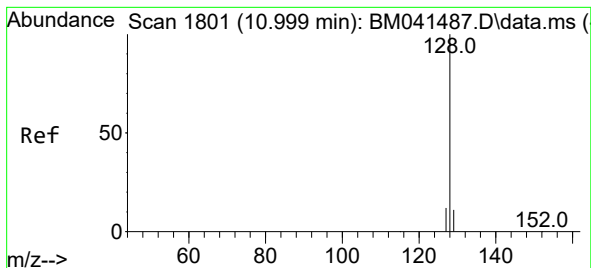
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.311 ng/ul

RT: 10.999 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BM041507.D

Acq: 25 Aug 2023 23:29

Instrument :

BNA_M

ClientSampleId :

EZY3

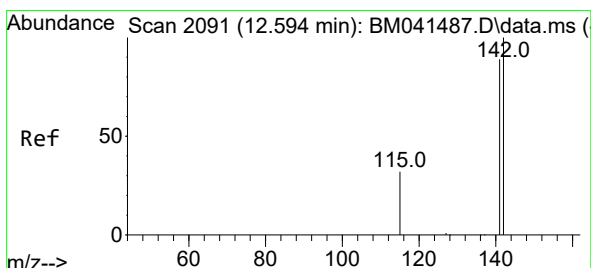
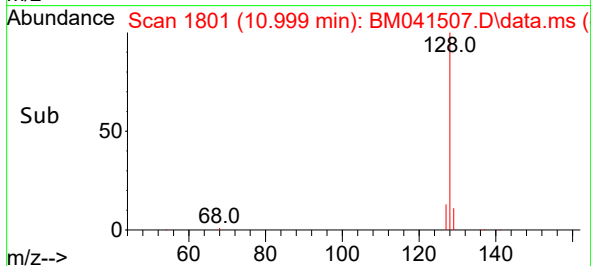
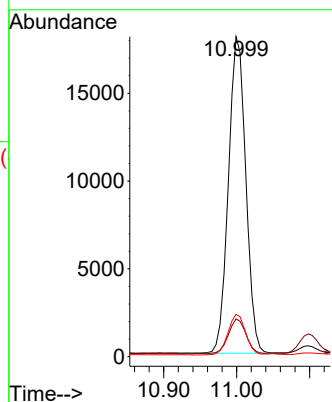
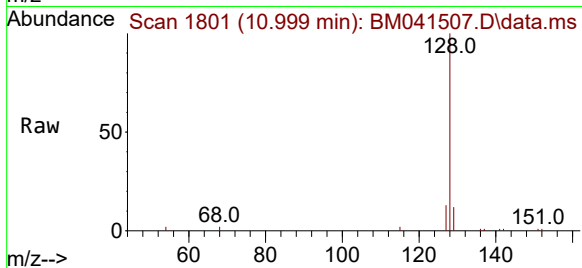
Tgt Ion:128 Resp: 29970

Ion Ratio Lower Upper

128 100

129 11.8 8.9 13.3

127 13.2 10.6 15.8



#7

2-Methylnaphthalene

Concen: 0.122 ng/ul

RT: 12.599 min Scan# 2092

Delta R.T. 0.000 min

Lab File: BM041507.D

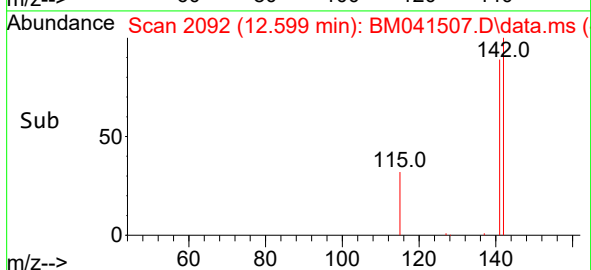
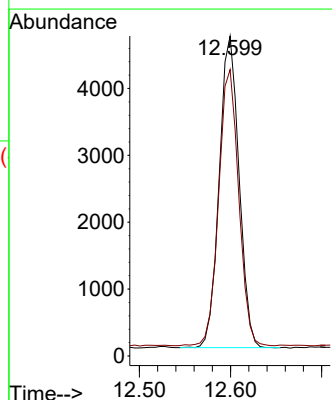
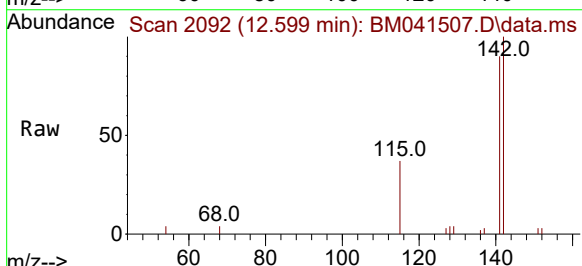
Acq: 25 Aug 2023 23:29

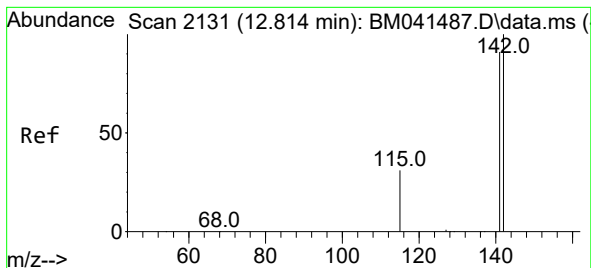
Tgt Ion:142 Resp: 7041

Ion Ratio Lower Upper

142 100

141 89.4 71.1 106.7





#8

1-Methylnaphthalene

Concen: 0.039 ng/ul

RT: 12.819 min Scan# 2131

Delta R.T. 0.000 min

Lab File: BM041507.D

Acq: 25 Aug 2023 23:29

Instrument :

BNA_M

ClientSampleId :

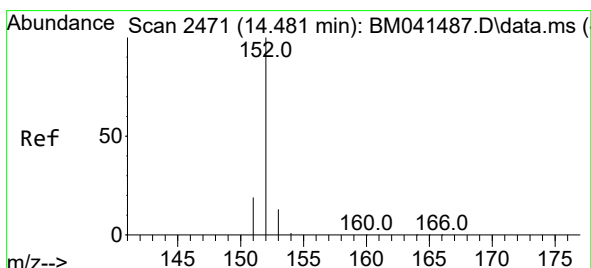
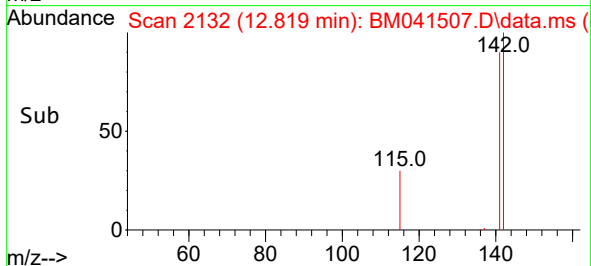
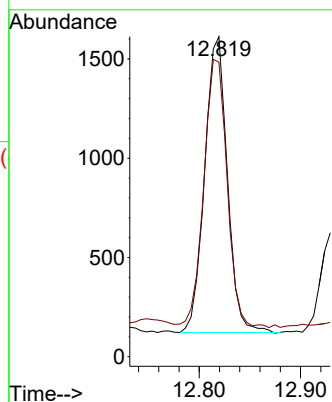
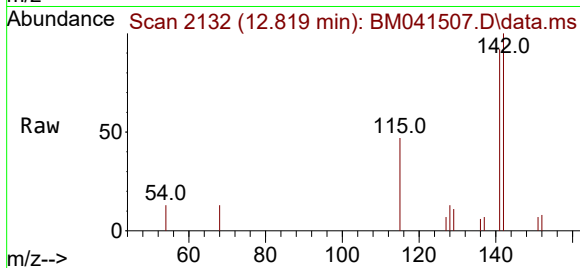
EZY3

Tgt Ion:142 Resp: 2315

Ion Ratio Lower Upper

142 100

141 93.3 73.4 110.2



#10

Acenaphthylene

Concen: 0.044 ng/ul

RT: 14.486 min Scan# 2472

Delta R.T. 0.000 min

Lab File: BM041507.D

Acq: 25 Aug 2023 23:29

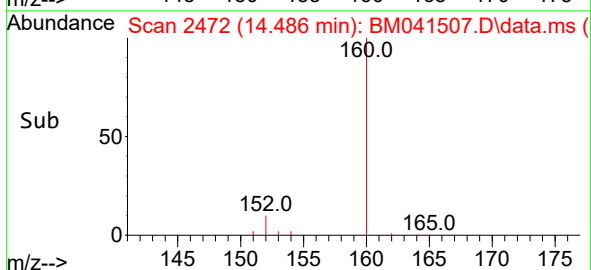
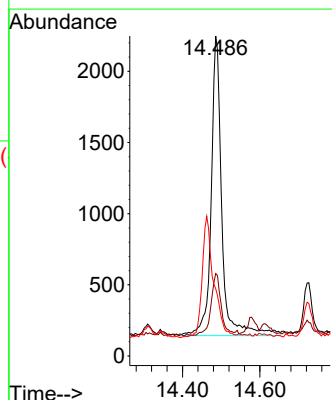
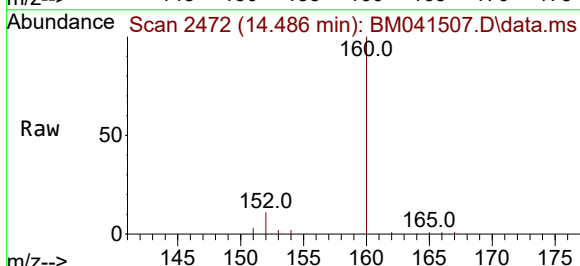
Tgt Ion:152 Resp: 4042

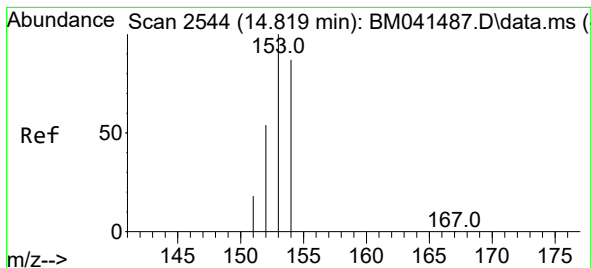
Ion Ratio Lower Upper

152 100

151 25.8 15.8 23.6#

153 21.0 10.6 15.8#





#11

Acenaphthene

Concen: 0.136 ng/ul

RT: 14.819 min Scan# 2

Delta R.T. 0.000 min

Lab File: BM041507.D

Acq: 25 Aug 2023 23:29

Instrument :

BNA_M

ClientSampleId :

EZY3

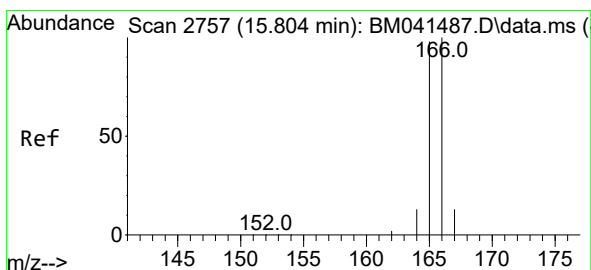
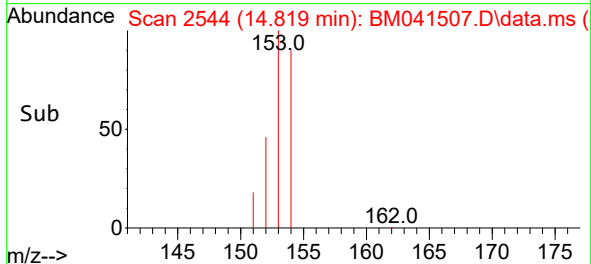
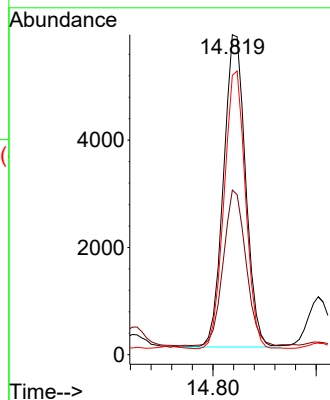
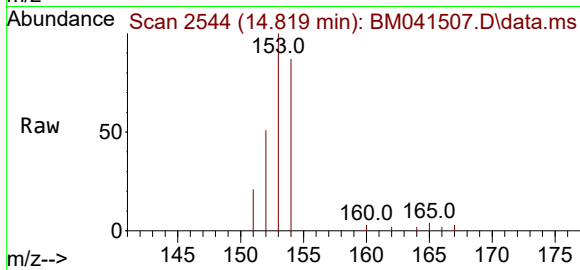
Tgt Ion:153 Resp: 8662

Ion Ratio Lower Upper

153 100

152 51.4 42.9 64.3

154 87.3 68.9 103.3



#12

Fluorene

Concen: 0.023 ng/ul

RT: 15.804 min Scan# 2757

Delta R.T. 0.000 min

Lab File: BM041507.D

Acq: 25 Aug 2023 23:29

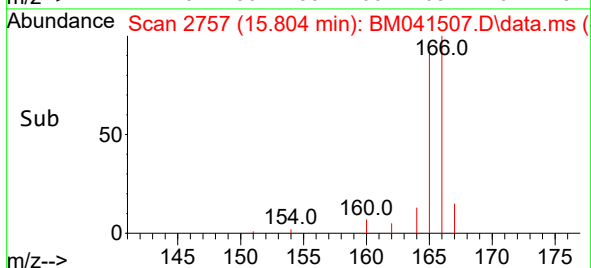
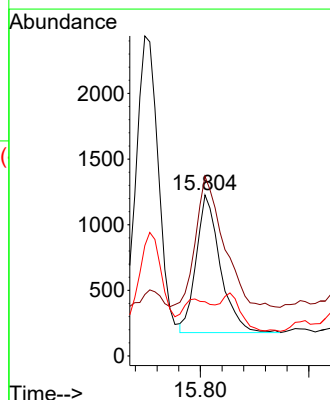
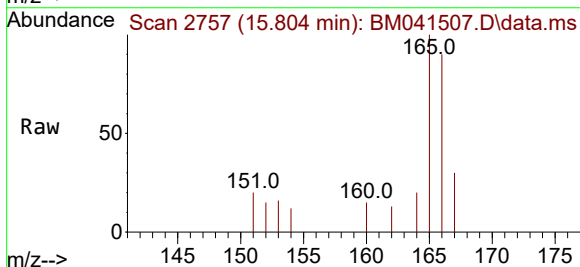
Tgt Ion:166 Resp: 1620

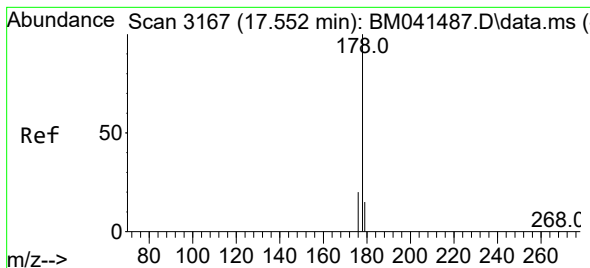
Ion Ratio Lower Upper

166 100

165 111.6 79.4 119.2

167 33.7 11.0 16.6#





#15

Phenanthrene

Concen: 15.525 ng/ul

RT: 17.557 min Scan# 3167

Delta R.T. 0.000 min

Lab File: BM041507.D

Acq: 25 Aug 2023 23:29

Instrument :

BNA_M

ClientSampleId :

EZY3

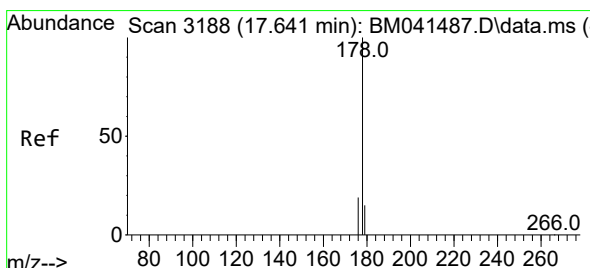
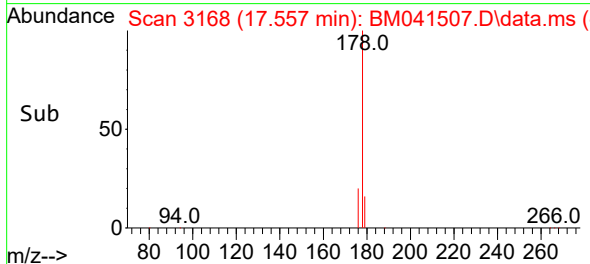
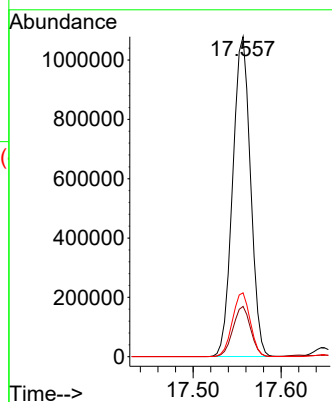
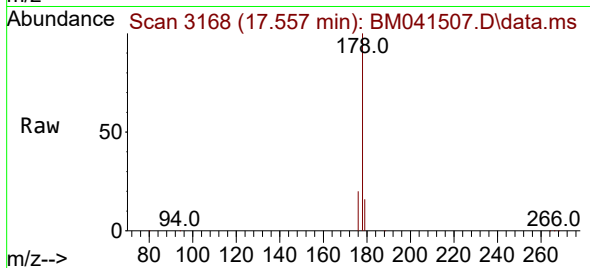
Tgt Ion:178 Resp: 1515146

Ion Ratio Lower Upper

178 100

179 15.7 12.5 18.7

176 20.0 15.8 23.8



#16

Anthracene

Concen: 0.484 ng/ul

RT: 17.645 min Scan# 3189

Delta R.T. 0.000 min

Lab File: BM041507.D

Acq: 25 Aug 2023 23:29

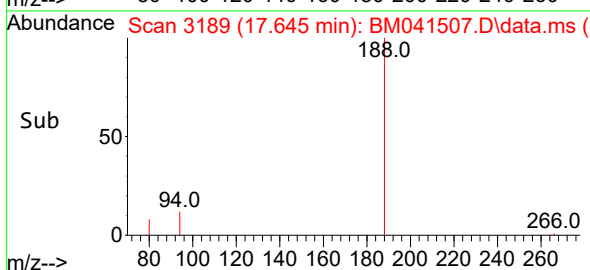
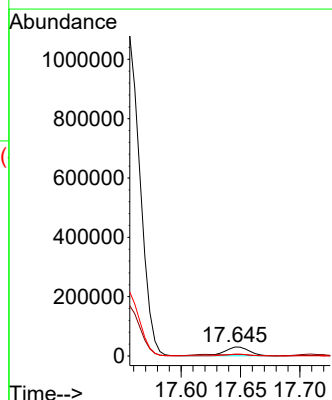
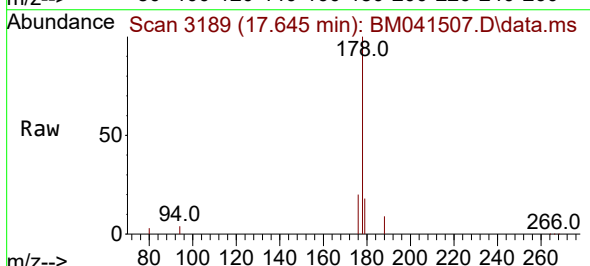
Tgt Ion:178 Resp: 43008

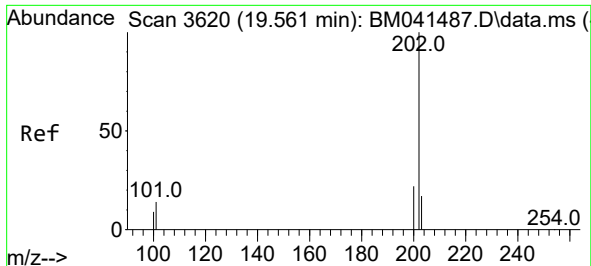
Ion Ratio Lower Upper

178 100

179 17.6 12.6 18.8

176 20.0 15.5 23.3

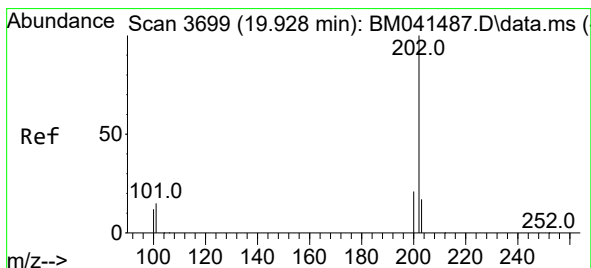
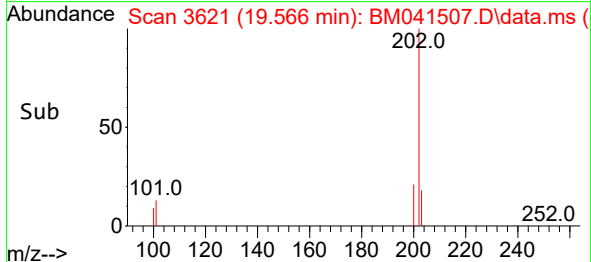
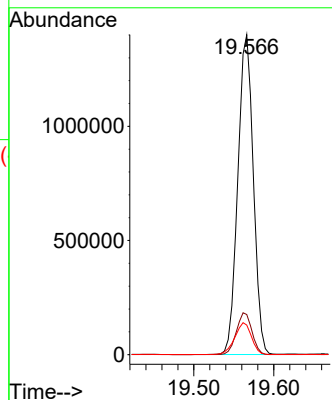
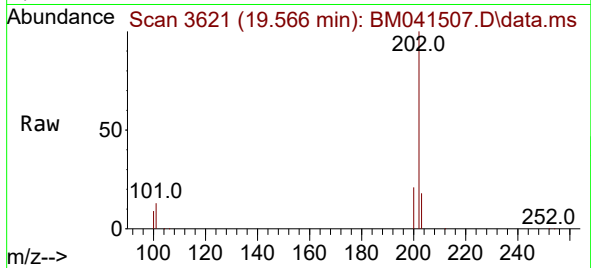




#19
Fluoranthene
Concen: 15.687 ng/ul
RT: 19.566 min Scan# 3621
Delta R.T. 0.000 min
Lab File: BM041507.D
Acq: 25 Aug 2023 23:29

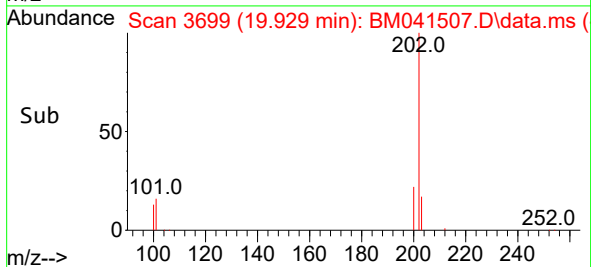
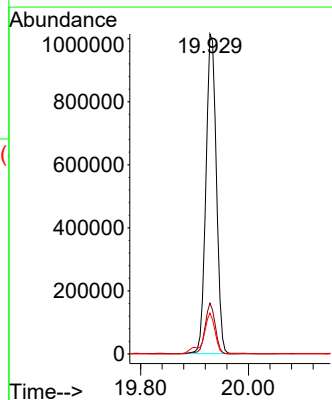
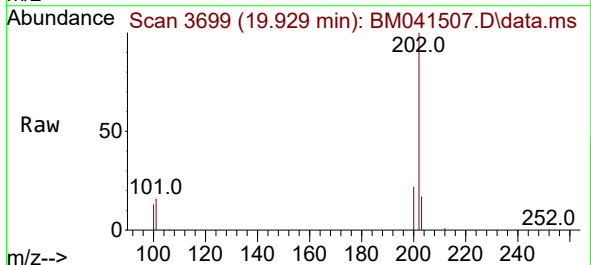
Instrument :
BNA_M
ClientSampleId :
EZY3

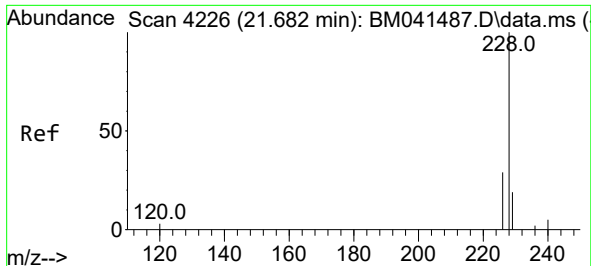
Tgt Ion:202 Resp: 1886954
Ion Ratio Lower Upper
202 100
101 12.6 11.0 16.6
100 9.2 7.9 11.9



#20
Pyrene
Concen: 11.198 ng/ul
RT: 19.929 min Scan# 3699
Delta R.T. -0.005 min
Lab File: BM041507.D
Acq: 25 Aug 2023 23:29

Tgt Ion:202 Resp: 1358562
Ion Ratio Lower Upper
202 100
101 15.9 12.2 18.2
100 12.8 9.8 14.8

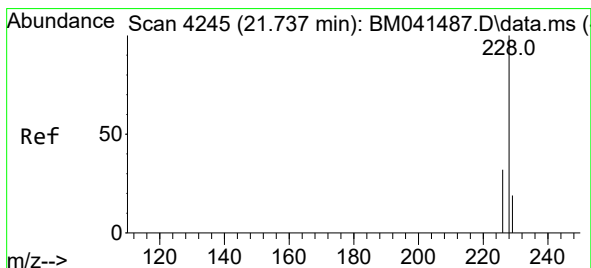
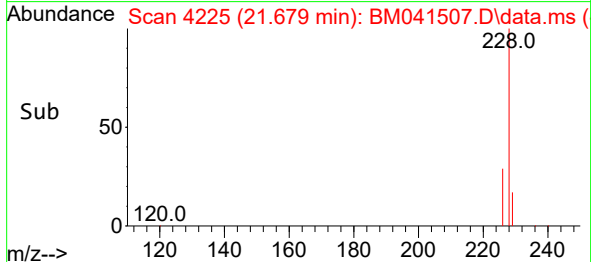
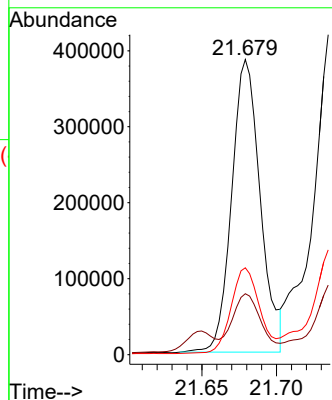
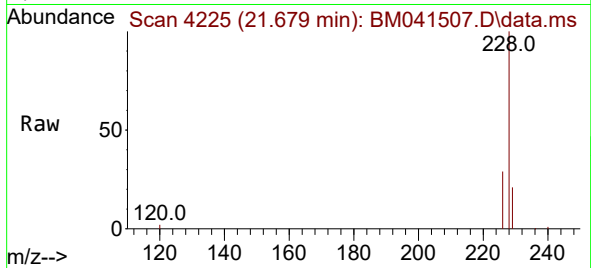




#21
Benzo(a)anthracene
Concen: 6.019 ng/ul
RT: 21.679 min Scan# 41
Delta R.T. -0.009 min
Lab File: BM041507.D
Acq: 25 Aug 2023 23:29

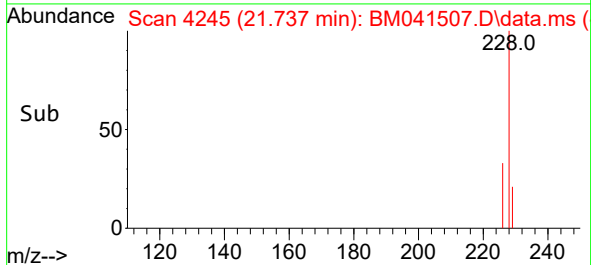
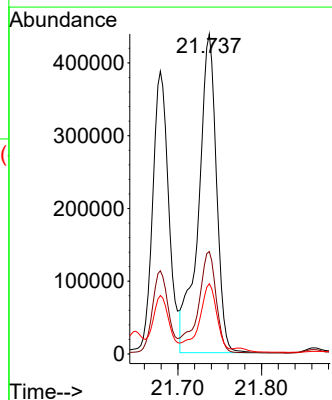
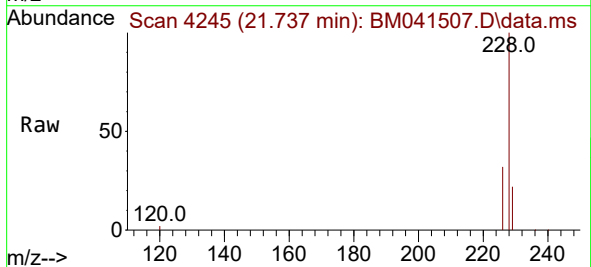
Instrument :
BNA_M
ClientSampleId :
EZY3

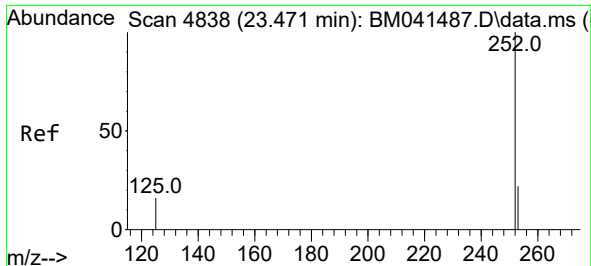
Tgt Ion:228 Resp: 513335
Ion Ratio Lower Upper
228 100
229 20.6 15.3 22.9
226 29.4 22.7 34.1



#22
Chrysene
Concen: 7.072 ng/ul
RT: 21.737 min Scan# 4245
Delta R.T. -0.006 min
Lab File: BM041507.D
Acq: 25 Aug 2023 23:29

Tgt Ion:228 Resp: 651696
Ion Ratio Lower Upper
228 100
226 32.0 25.6 38.4
229 22.0 15.7 23.5

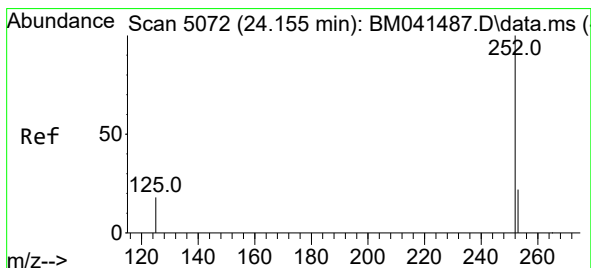
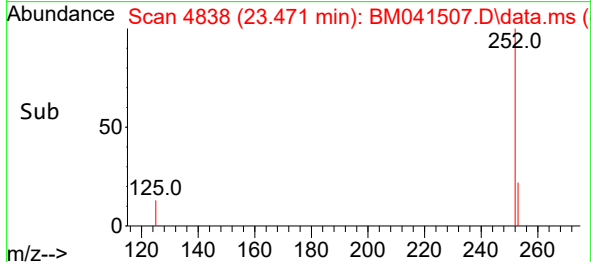
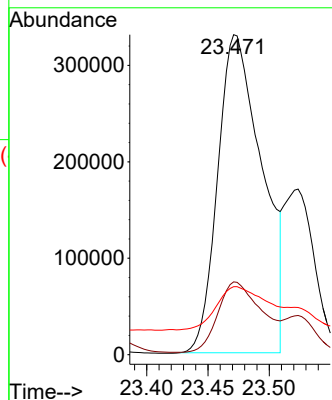
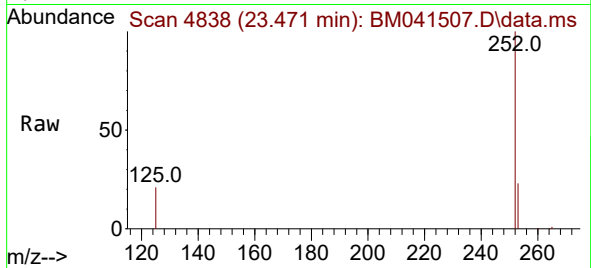




#24
Benzo(b)fluoranthene
Concen: 7.804 ng/ul
RT: 23.471 min Scan# 4838
Delta R.T. -0.012 min
Lab File: BM041507.D
Acq: 25 Aug 2023 23:29

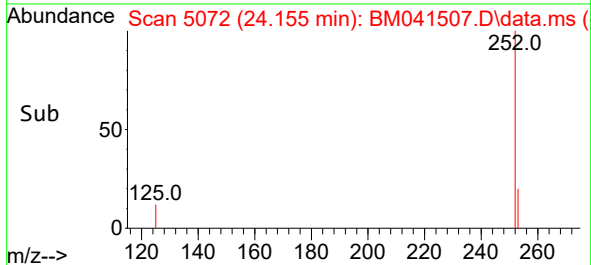
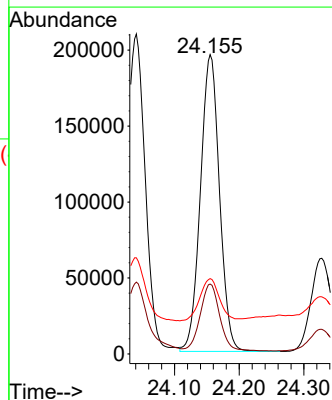
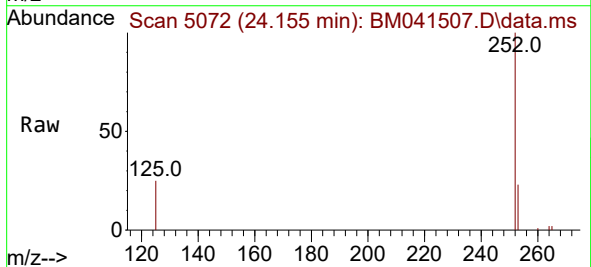
Instrument :
BNA_M
ClientSampleId :
EZY3

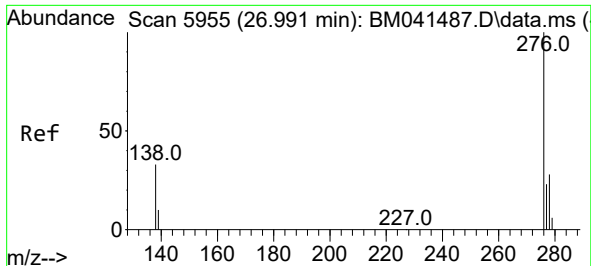
Tgt Ion:252 Resp: 831935
Ion Ratio Lower Upper
252 100
253 22.8 0.0 46.8
125 21.2 0.0 32.8



#26
Benzo(a)pyrene
Concen: 4.564 ng/ul
RT: 24.155 min Scan# 5072
Delta R.T. -0.009 min
Lab File: BM041507.D
Acq: 25 Aug 2023 23:29

Tgt Ion:252 Resp: 399820
Ion Ratio Lower Upper
252 100
253 23.4 19.5 29.3
125 25.2 16.0 24.0#

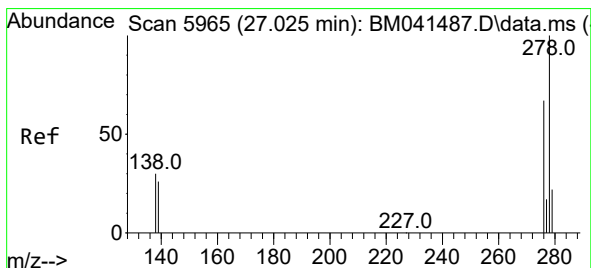
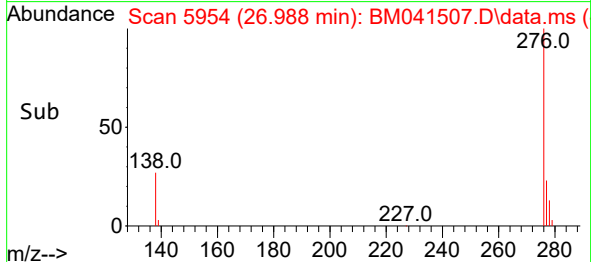
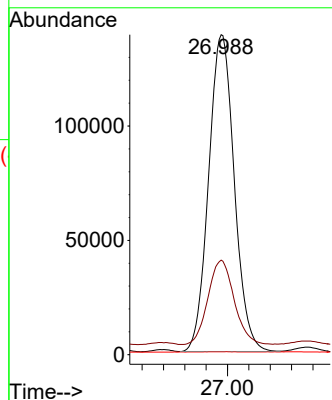
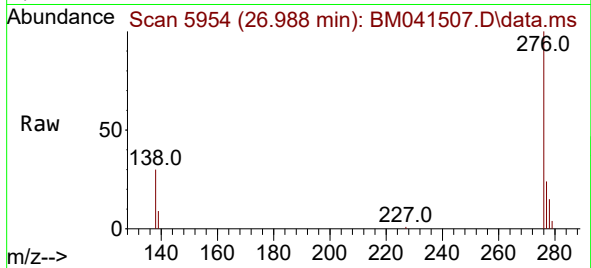




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 4.225 ng/ul
 RT: 26.988 min Scan# 5954
 Delta R.T. -0.017 min
 Lab File: BM041507.D
 Acq: 25 Aug 2023 23:29

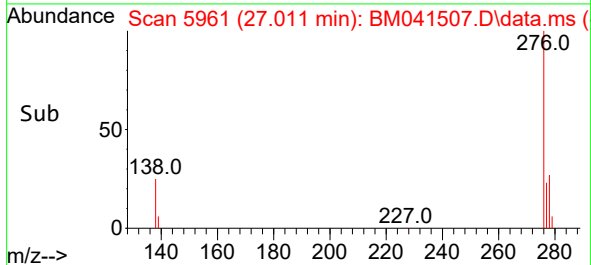
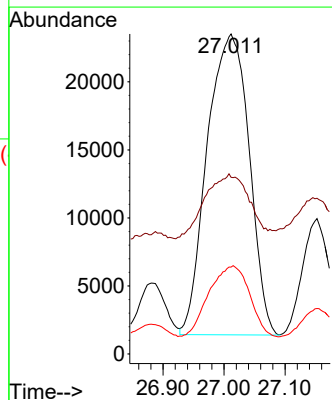
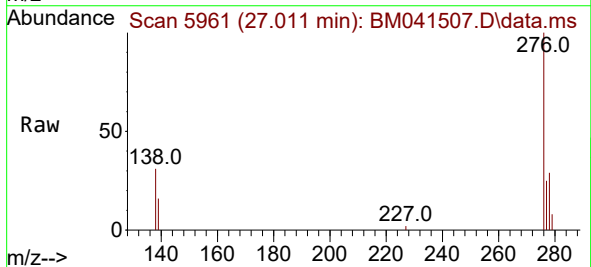
Instrument :
 BNA_M
 ClientSampleId :
 EYZE3

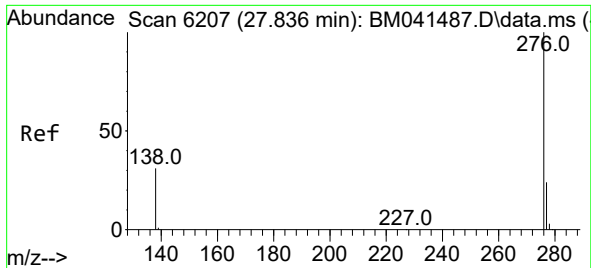
Tgt Ion:276 Resp: 462424
 Ion Ratio Lower Upper
 276 100
 138 27.1 27.8 41.6#
 227 0.2 0.0 0.0#



#28
 Dibenzo(a,h)anthracene
 Concen: 1.263 ng/ul
 RT: 27.011 min Scan# 5961
 Delta R.T. -0.034 min
 Lab File: BM041507.D
 Acq: 25 Aug 2023 23:29

Tgt Ion:278 Resp: 105758
 Ion Ratio Lower Upper
 278 100
 139 55.2 21.9 32.9#
 279 27.1 21.4 32.0





#29
 Benzo(g,h,i)perylene
 Concen: 4.760 ng/ul
 RT: 27.836 min Scan# 61
 Delta R.T. -0.017 min
 Lab File: BM041507.D
 Acq: 25 Aug 2023 23:29

Instrument :
 BNA_M
 ClientSampleId :
 EZEY3

Tgt Ion:276 Resp: 458802
 Ion Ratio Lower Upper
 276 100
 138 30.6 25.9 38.9
 277 24.2 19.4 29.2

