

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082423\
 Data File : BM041506.D
 Acq On : 25 Aug 2023 22:51
 Operator : MA/JU
 Sample : 04037-14
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYH3

Quant Time: Aug 26 00:19:26 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)

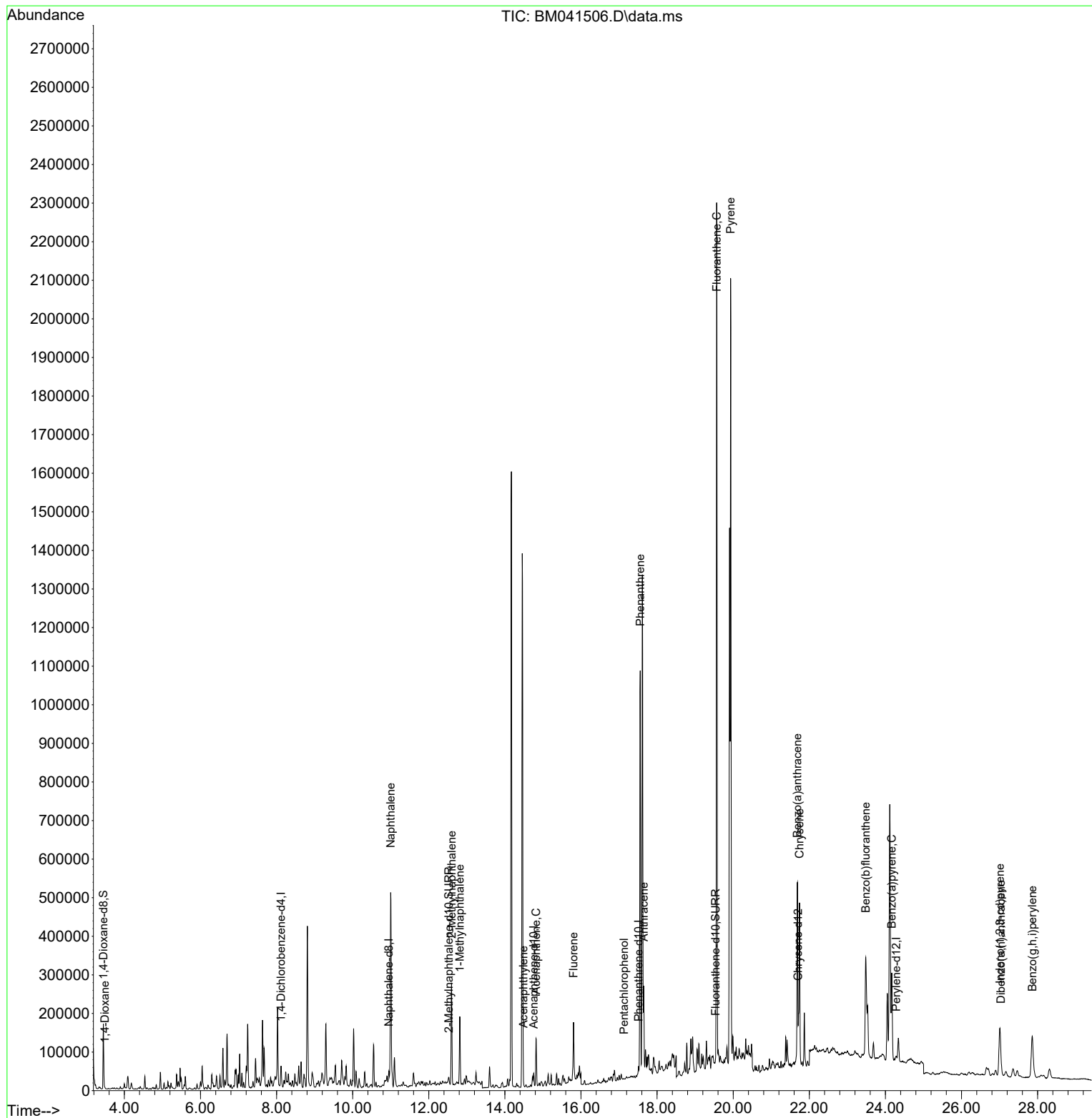
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.118	152	13683	0.400	ng/ul	0.00
4) Naphthalene-d8	10.950	136	38163	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.759	164	18046	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.515	188	28386	0.400	ng/ul #	0.00
17) Chrysene-d12	21.705	240	12225	0.400	ng/ul #	0.00
23) Perylene-d12	24.284	264	15106	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.448	96	97012	5.602	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.528	152	14421	0.286	ng/ul	0.00
18) Fluoranthene-d10	19.534	212	16109	0.299	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.486	88	1409	0.079	ng/ul#	36
5) Naphthalene	10.999	128	699608	6.151	ng/ul	100
7) 2-Methylnaphthalene	12.599	142	179959	2.634	ng/ul	100
8) 1-Methylnaphthalene	12.814	142	116270	1.673	ng/ul	99
10) Acenaphthylene	14.486	152	14001	0.129	ng/ul#	60
11) Acenaphthene	14.819	153	72830	0.966	ng/ul	98
12) Fluorene	15.804	166	97727	1.158	ng/ul	96
14) Pentachlorophenol	17.135	266	279	0.052	ng/ul#	76
15) Phenanthrene	17.557	178	1108351	10.635	ng/ul	98
16) Anthracene	17.650	178	235633	2.485	ng/ul#	96
19) Fluoranthene	19.566	202	1859533	16.573	ng/ul	100
20) Pyrene	19.933	202	1699881	15.021	ng/ul	99
21) Benzo(a)anthracene	21.688	228	428749	5.389	ng/ul#	93
22) Chrysene	21.743	228	439002	5.107	ng/ul#	93
24) Benzo(b)fluoranthene	23.483	252	484160	4.680	ng/ul#	69
26) Benzo(a)pyrene	24.167	252	349357	4.110	ng/ul#	73
27) Indeno(1,2,3-cd)pyrene	27.008	276	244727	2.304	ng/ul#	85
28) Dibenzo(a,h)anthracene	27.032	278	52174	0.642	ng/ul#	1
29) Benzo(g,h,i)perylene	27.860	276	263027	2.812	ng/ul	94

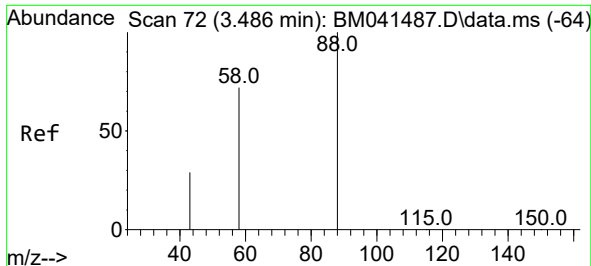
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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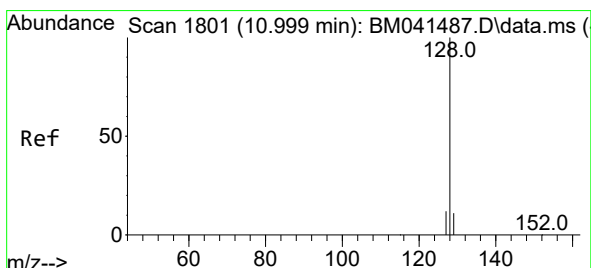
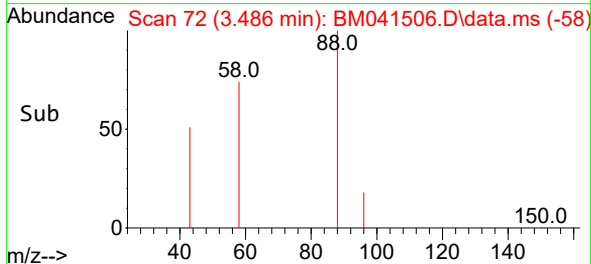
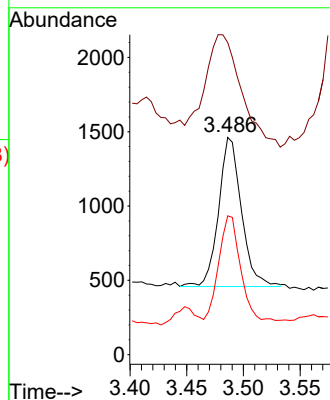
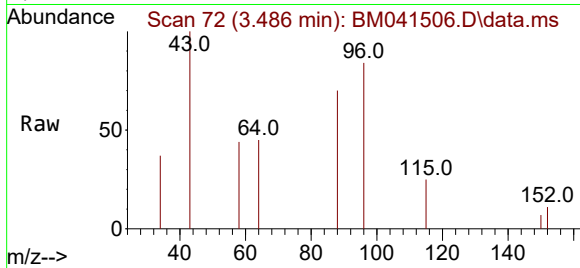




#2
1,4-Dioxane
Concen: 0.079 ng/ul
RT: 3.486 min Scan# 72
Delta R.T. 0.000 min
Lab File: BM041506.D
Acq: 25 Aug 2023 22:51

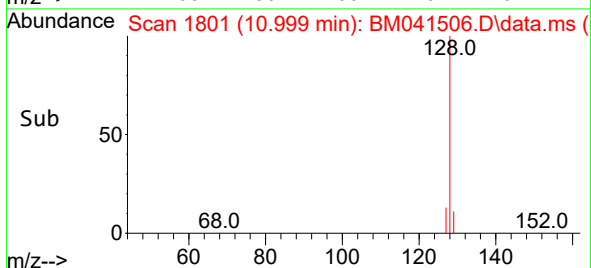
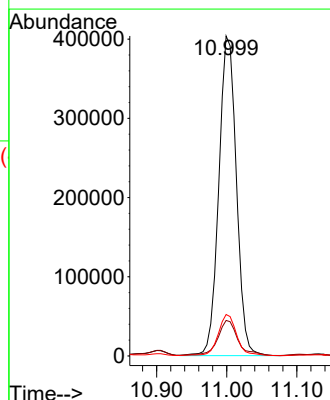
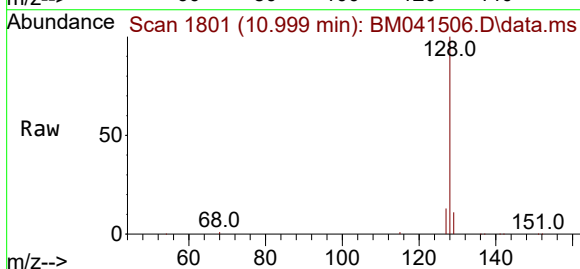
Instrument :
BNA_M
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EZYH3

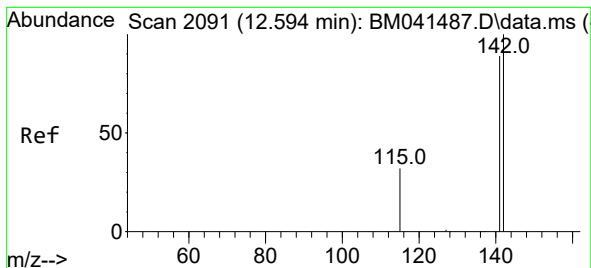
Tgt Ion: 88 Resp: 1409
Ion Ratio Lower Upper
88 100
43 143.6 35.4 53.2#
58 63.9 57.3 85.9



#5
Naphthalene
Concen: 6.151 ng/ul
RT: 10.999 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BM041506.D
Acq: 25 Aug 2023 22:51

Tgt Ion:128 Resp: 699608
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.0 10.6 15.8

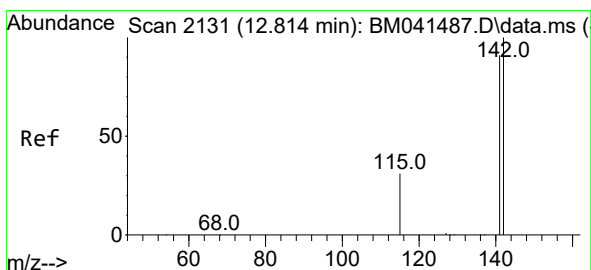
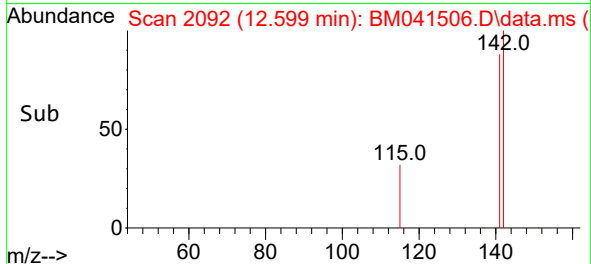
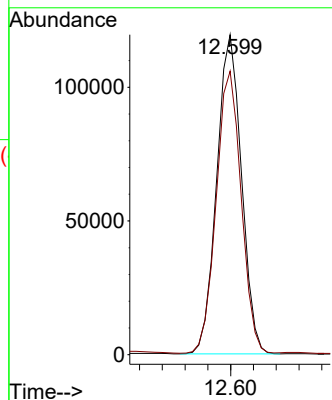
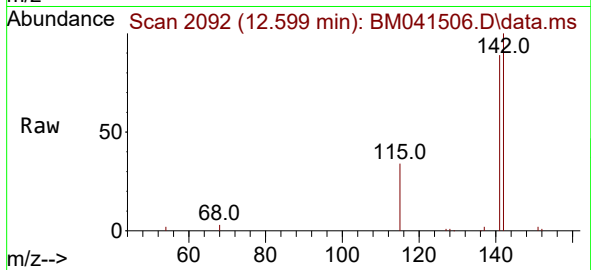




#7
2-Methylnaphthalene
Concen: 2.634 ng/ul
RT: 12.599 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BM041506.D
Acq: 25 Aug 2023 22:51

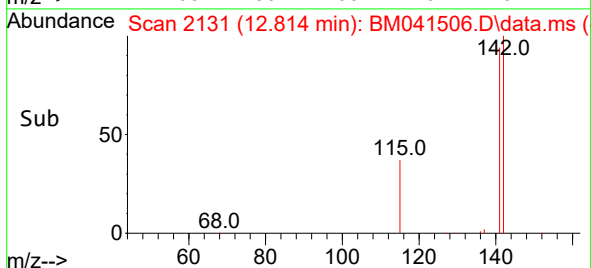
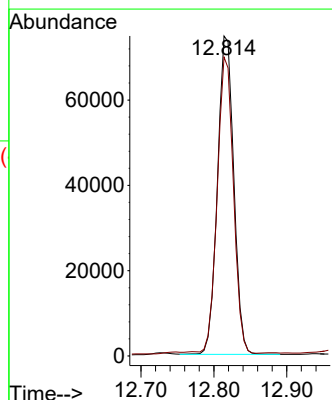
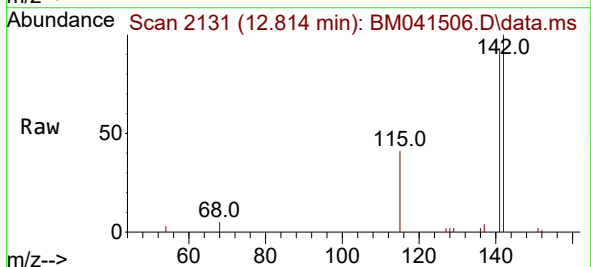
Instrument :
BNA_M
ClientSampleId :
EZYH3

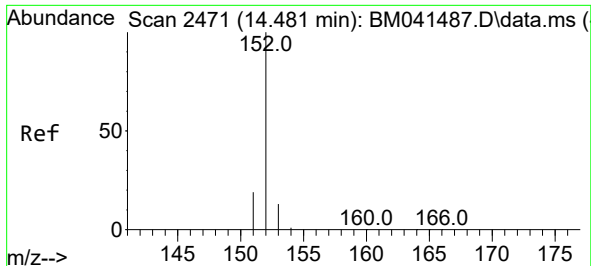
Tgt Ion:142 Resp: 179959
Ion Ratio Lower Upper
142 100
141 89.0 71.1 106.7



#8
1-Methylnaphthalene
Concen: 1.673 ng/ul
RT: 12.814 min Scan# 2131
Delta R.T. -0.005 min
Lab File: BM041506.D
Acq: 25 Aug 2023 22:51

Tgt Ion:142 Resp: 116270
Ion Ratio Lower Upper
142 100
141 92.5 73.4 110.2

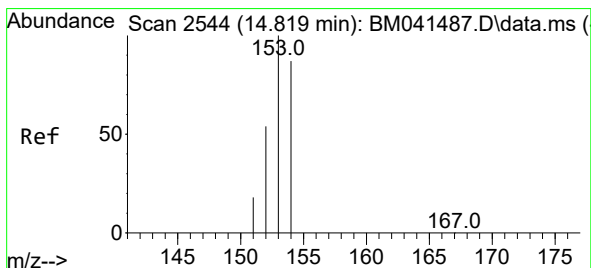
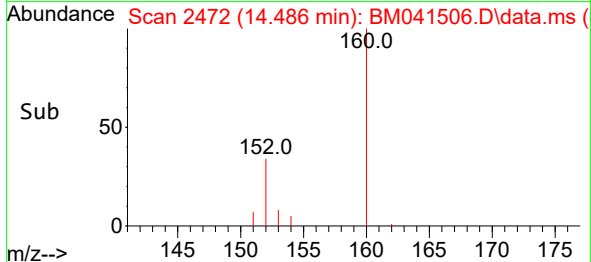
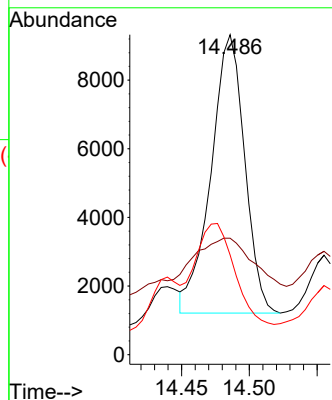
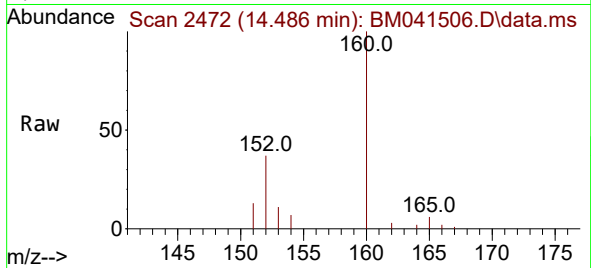




#10
Acenaphthylene
Concen: 0.129 ng/ul
RT: 14.486 min Scan# 2471
Delta R.T. 0.000 min
Lab File: BM041506.D
Acq: 25 Aug 2023 22:51

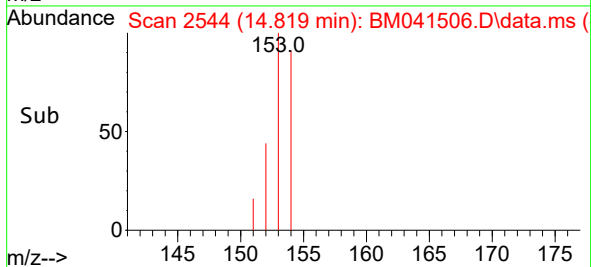
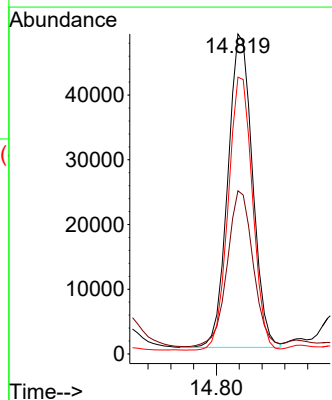
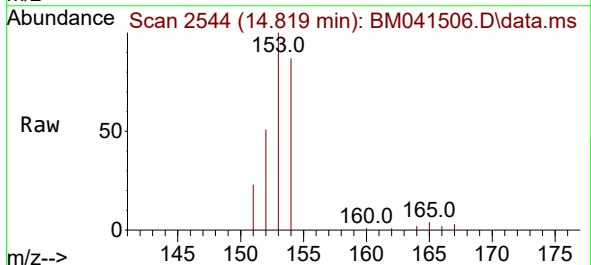
Instrument :
BNA_M
ClientSampleId :
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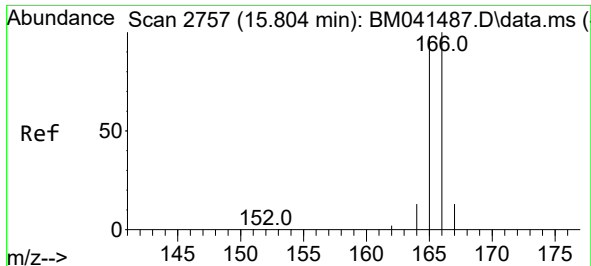
Tgt Ion:152 Resp: 14001
Ion Ratio Lower Upper
152 100
151 36.4 15.8 23.6#
153 31.2 10.6 15.8#



#11
Acenaphthene
Concen: 0.966 ng/ul
RT: 14.819 min Scan# 2544
Delta R.T. 0.000 min
Lab File: BM041506.D
Acq: 25 Aug 2023 22:51

Tgt Ion:153 Resp: 72830
Ion Ratio Lower Upper
153 100
152 51.0 42.9 64.3
154 86.5 68.9 103.3

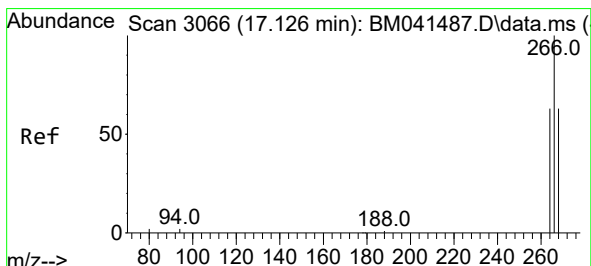
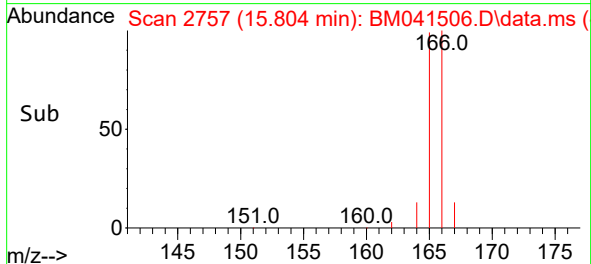
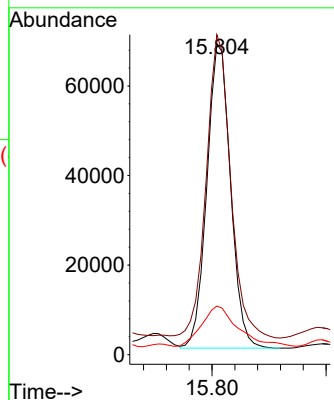
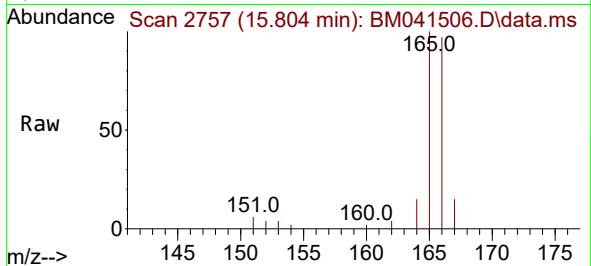




#12
Fluorene
Concen: 1.158 ng/ul
RT: 15.804 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM041506.D
Acq: 25 Aug 2023 22:51

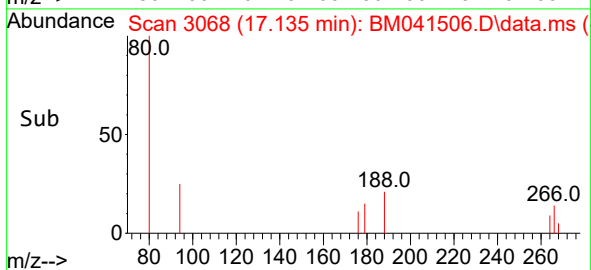
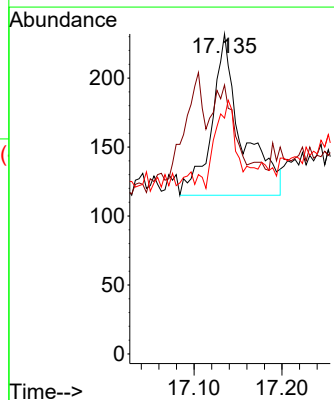
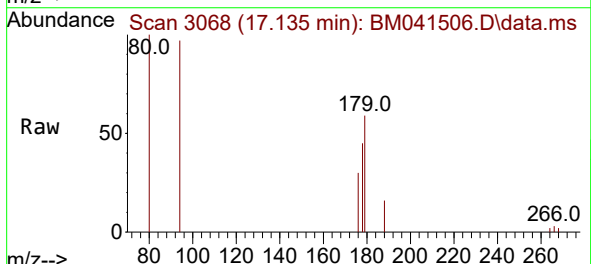
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ClientSampleId :
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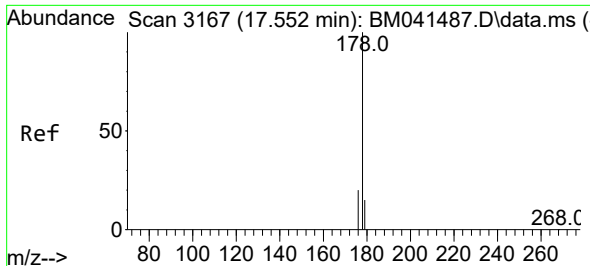
Tgt Ion:166 Resp: 97727
Ion Ratio Lower Upper
166 100
165 102.9 79.4 119.2
167 15.6 11.0 16.6



#14
Pentachlorophenol
Concen: 0.052 ng/ul
RT: 17.135 min Scan# 3068
Delta R.T. 0.004 min
Lab File: BM041506.D
Acq: 25 Aug 2023 22:51

Tgt Ion:266 Resp: 279
Ion Ratio Lower Upper
266 100
264 39.1 50.1 75.1#
268 47.0 48.6 73.0#

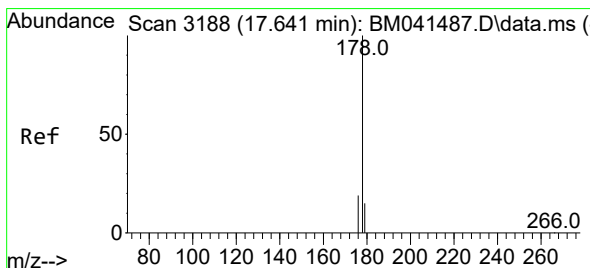
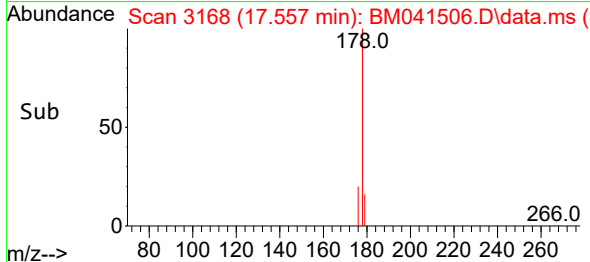
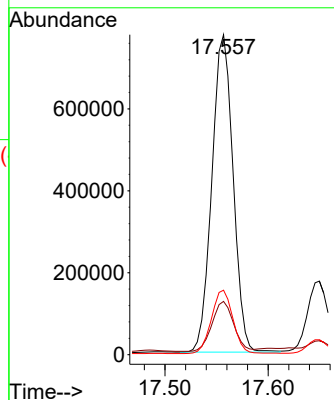
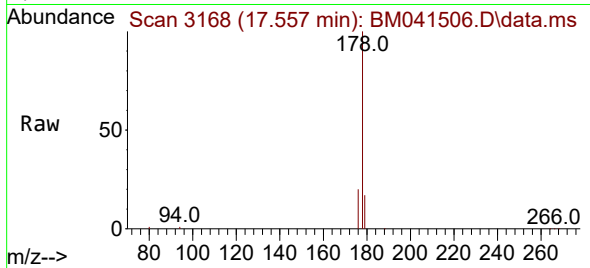




#15
Phenanthrene
Concen: 10.635 ng/ul
RT: 17.557 min Scan# 3168
Delta R.T. 0.000 min
Lab File: BM041506.D
Acq: 25 Aug 2023 22:51

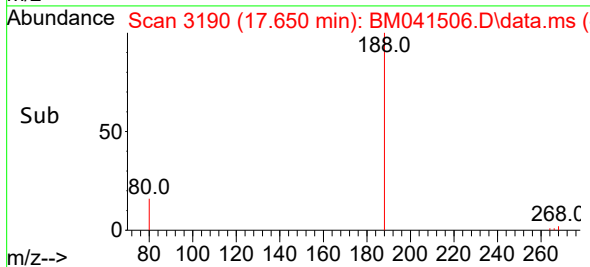
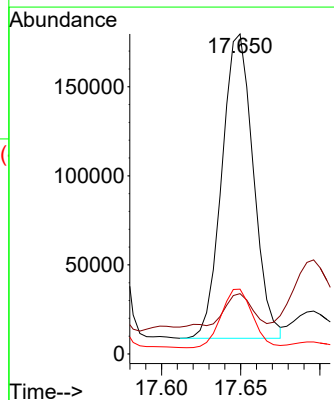
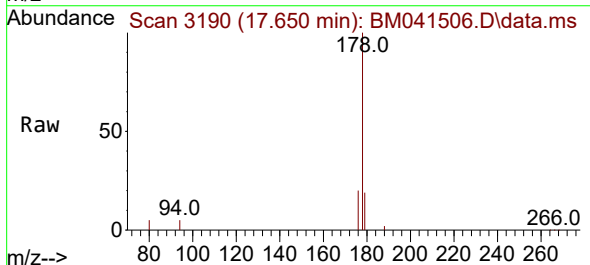
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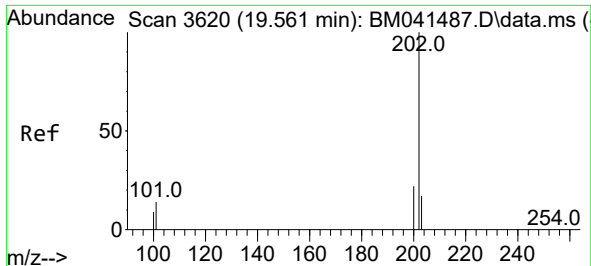
Tgt Ion:178 Resp: 1108351
Ion Ratio Lower Upper
178 100
179 16.7 12.5 18.7
176 20.1 15.8 23.8



#16
Anthracene
Concen: 2.485 ng/ul
RT: 17.650 min Scan# 3190
Delta R.T. 0.004 min
Lab File: BM041506.D
Acq: 25 Aug 2023 22:51

Tgt Ion:178 Resp: 235633
Ion Ratio Lower Upper
178 100
179 18.9 12.6 18.8#
176 20.2 15.5 23.3

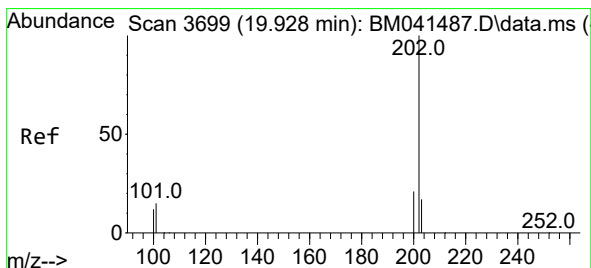
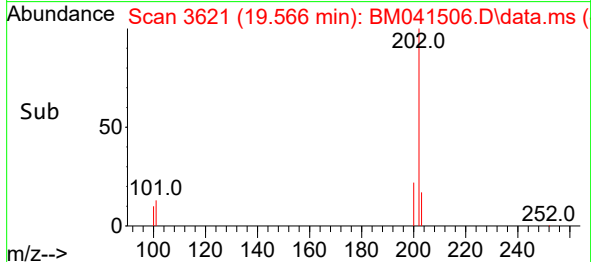
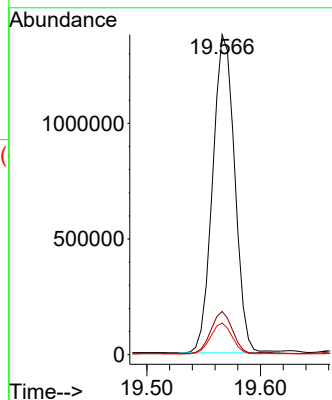
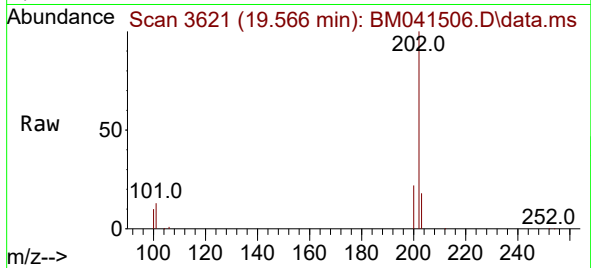




#19
Fluoranthene
Concen: 16.573 ng/ul
RT: 19.566 min Scan# 30
Delta R.T. 0.000 min
Lab File: BM041506.D
Acq: 25 Aug 2023 22:51

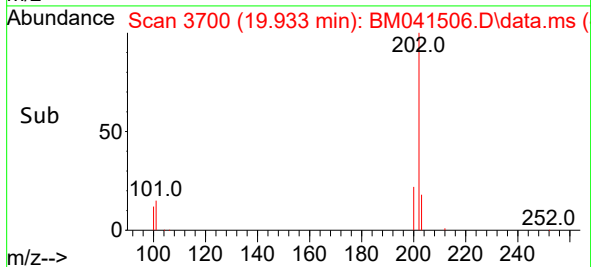
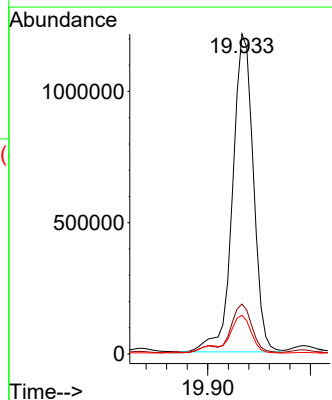
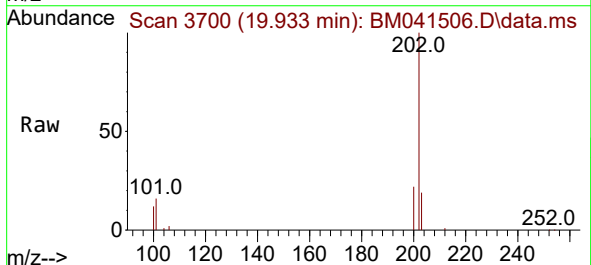
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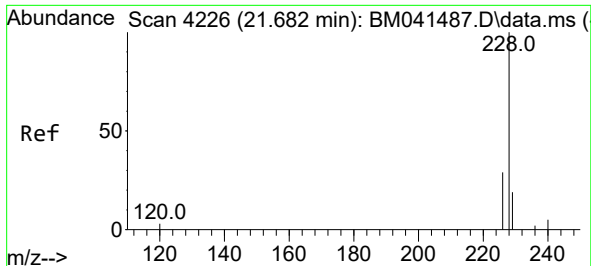
Tgt Ion:202 Resp: 1859533
Ion Ratio Lower Upper
202 100
101 13.5 11.0 16.6
100 9.9 7.9 11.9



#20
Pyrene
Concen: 15.021 ng/ul
RT: 19.933 min Scan# 3700
Delta R.T. 0.000 min
Lab File: BM041506.D
Acq: 25 Aug 2023 22:51

Tgt Ion:202 Resp: 1699881
Ion Ratio Lower Upper
202 100
101 15.6 12.2 18.2
100 12.1 9.8 14.8

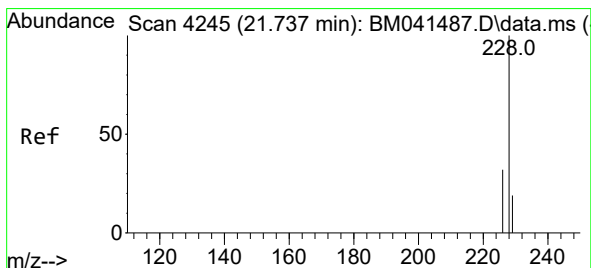
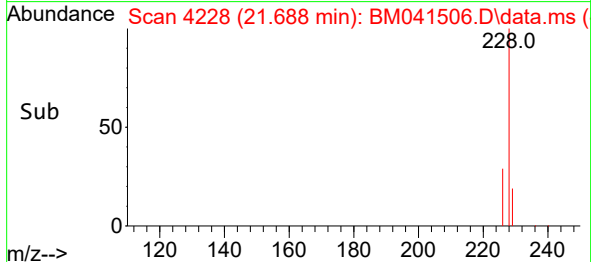
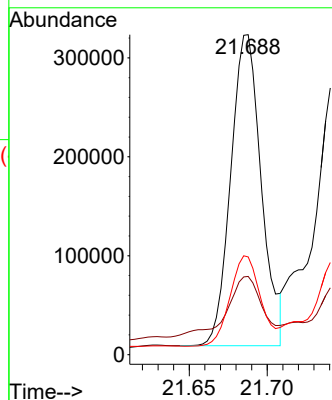
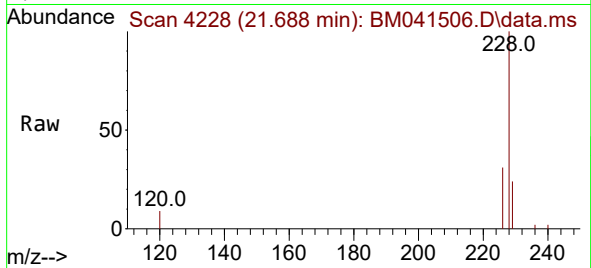




#21
Benzo(a)anthracene
Concen: 5.389 ng/ul
RT: 21.688 min Scan# 4226
Delta R.T. 0.000 min
Lab File: BM041506.D
Acq: 25 Aug 2023 22:51

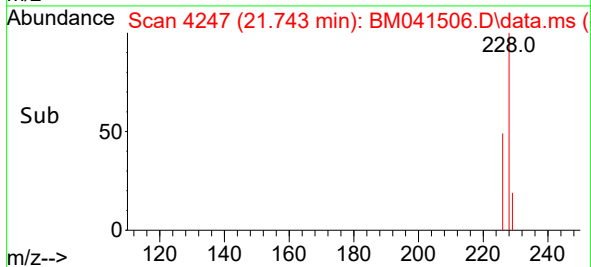
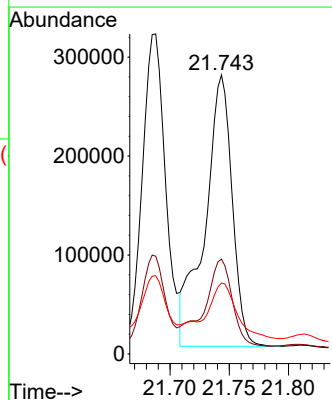
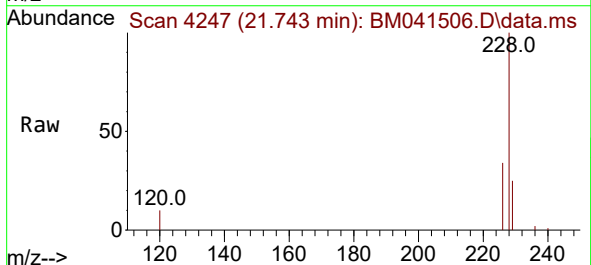
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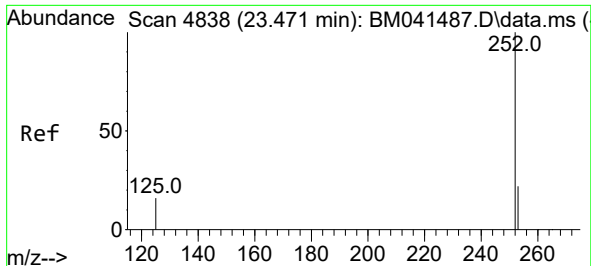
Tgt Ion:228 Resp: 428749
Ion Ratio Lower Upper
228 100
229 24.4 15.3 22.9#
226 30.5 22.7 34.1



#22
Chrysene
Concen: 5.107 ng/ul
RT: 21.743 min Scan# 4247
Delta R.T. 0.000 min
Lab File: BM041506.D
Acq: 25 Aug 2023 22:51

Tgt Ion:228 Resp: 439002
Ion Ratio Lower Upper
228 100
226 34.0 25.6 38.4
229 25.4 15.7 23.5#





#24

Benzo(b)fluoranthene

Concen: 4.680 ng/ul

RT: 23.483 min Scan# 4838

Delta R.T. 0.000 min

Lab File: BM041506.D

Acq: 25 Aug 2023 22:51

Instrument :

BNA_M

ClientSampleId :

EZYH3

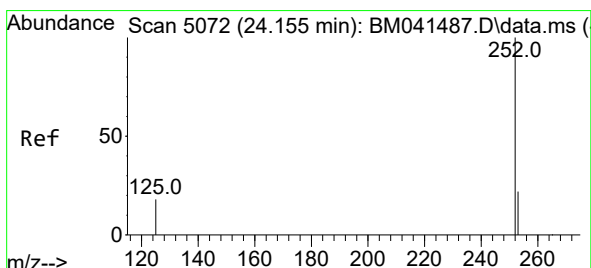
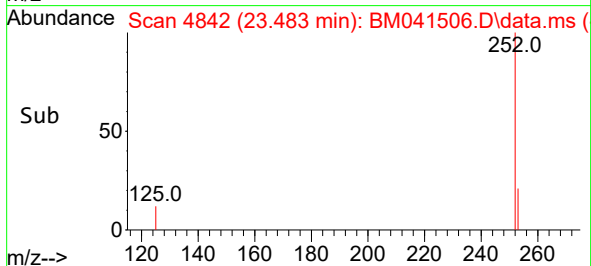
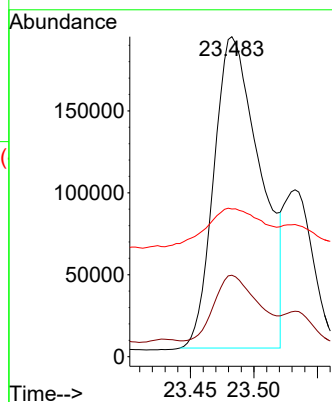
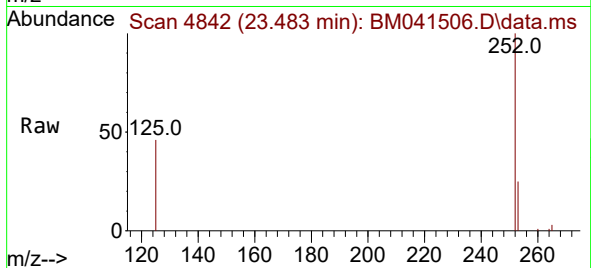
Tgt Ion:252 Resp: 484160

Ion Ratio Lower Upper

252 100

253 25.4 0.0 46.8

125 46.1 0.0 32.8#



#26

Benzo(a)pyrene

Concen: 4.110 ng/ul

RT: 24.167 min Scan# 5076

Delta R.T. 0.003 min

Lab File: BM041506.D

Acq: 25 Aug 2023 22:51

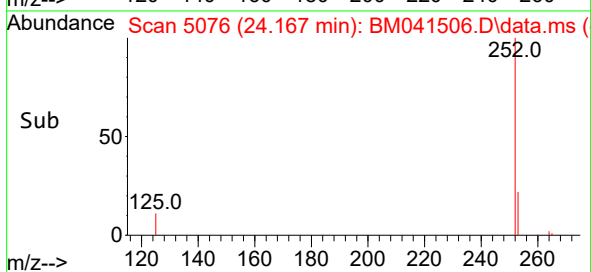
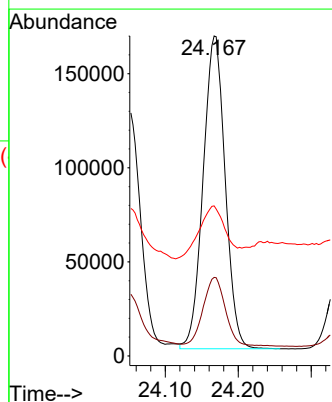
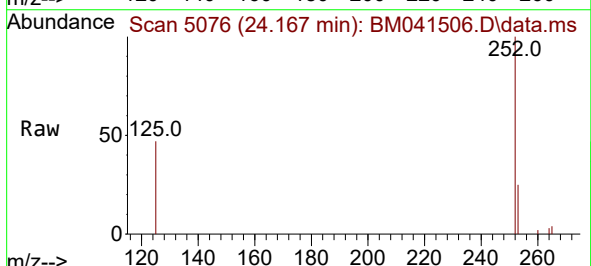
Tgt Ion:252 Resp: 349357

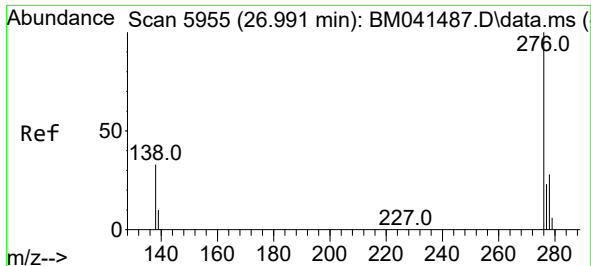
Ion Ratio Lower Upper

252 100

253 24.5 19.5 29.3

125 46.9 16.0 24.0#

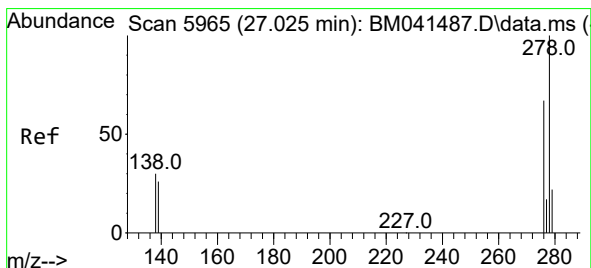
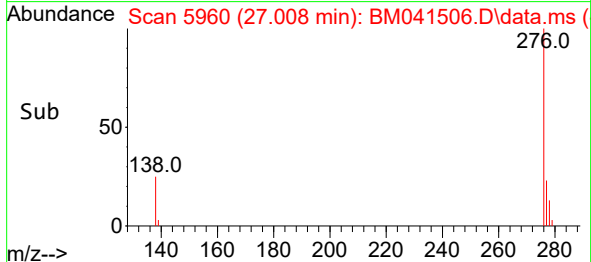
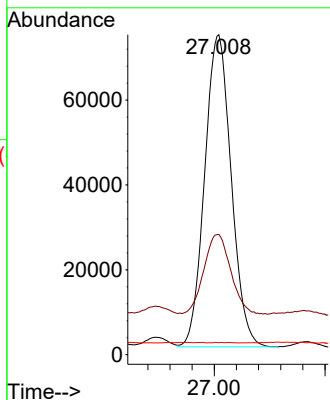
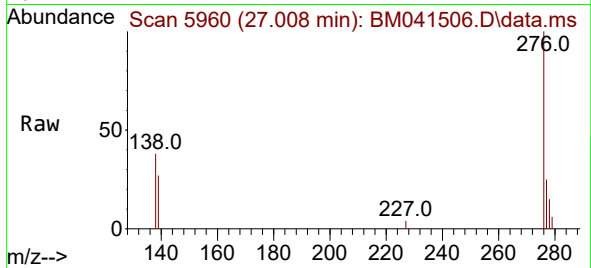




#27
Indeno(1,2,3-cd)pyrene
Concen: 2.304 ng/ul
RT: 27.008 min Scan# 5960
Delta R.T. 0.003 min
Lab File: BM041506.D
Acq: 25 Aug 2023 22:51

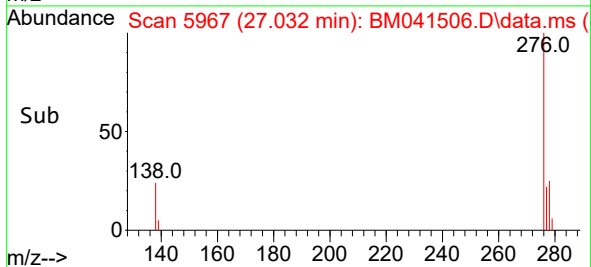
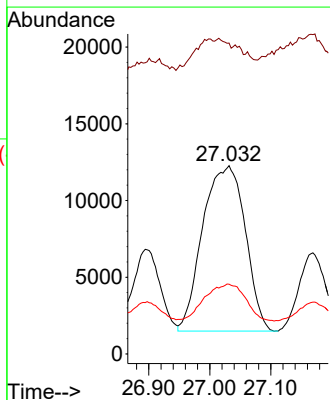
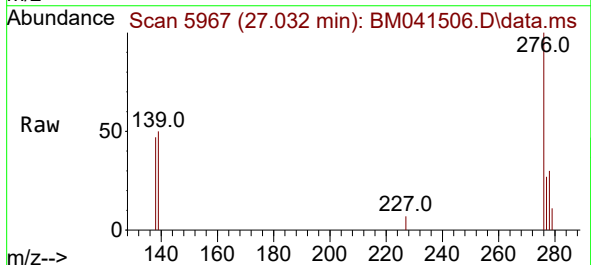
Instrument :
BNA_M
ClientSampleId :
EZYH3

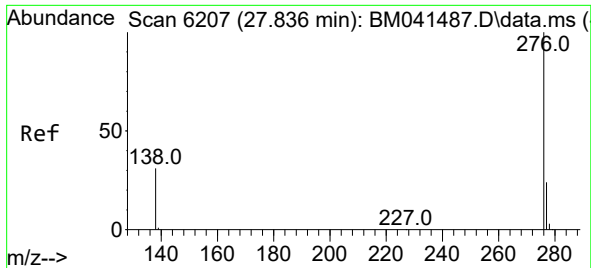
Tgt Ion:276 Resp: 244727
Ion Ratio Lower Upper
276 100
138 25.9 27.8 41.6#
227 0.0 0.0 0.0#



#28
Dibenzo(a,h)anthracene
Concen: 0.642 ng/ul
RT: 27.032 min Scan# 5967
Delta R.T. -0.013 min
Lab File: BM041506.D
Acq: 25 Aug 2023 22:51

Tgt Ion:278 Resp: 52174
Ion Ratio Lower Upper
278 100
139 165.2 21.9 32.9#
279 37.1 21.4 32.0#





#29
 Benzo(g,h,i)perylene
 Concen: 2.812 ng/ul
 RT: 27.860 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: BM041506.D
 Acq: 25 Aug 2023 22:51

Instrument :
 BNA_M
 ClientSampleId :
 EZYH3

Tgt Ion:276 Resp: 263027
 Ion Ratio Lower Upper
 276 100
 138 37.8 25.9 38.9
 277 25.3 19.4 29.2

