

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101022\
 Data File : BM036907.D
 Acq On : 10 Oct 2022 14:49
 Operator : CG/JU
 Sample : N4824-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB8P1

Quant Time: Oct 11 02:17:12 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM100622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 10 00:54:15 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

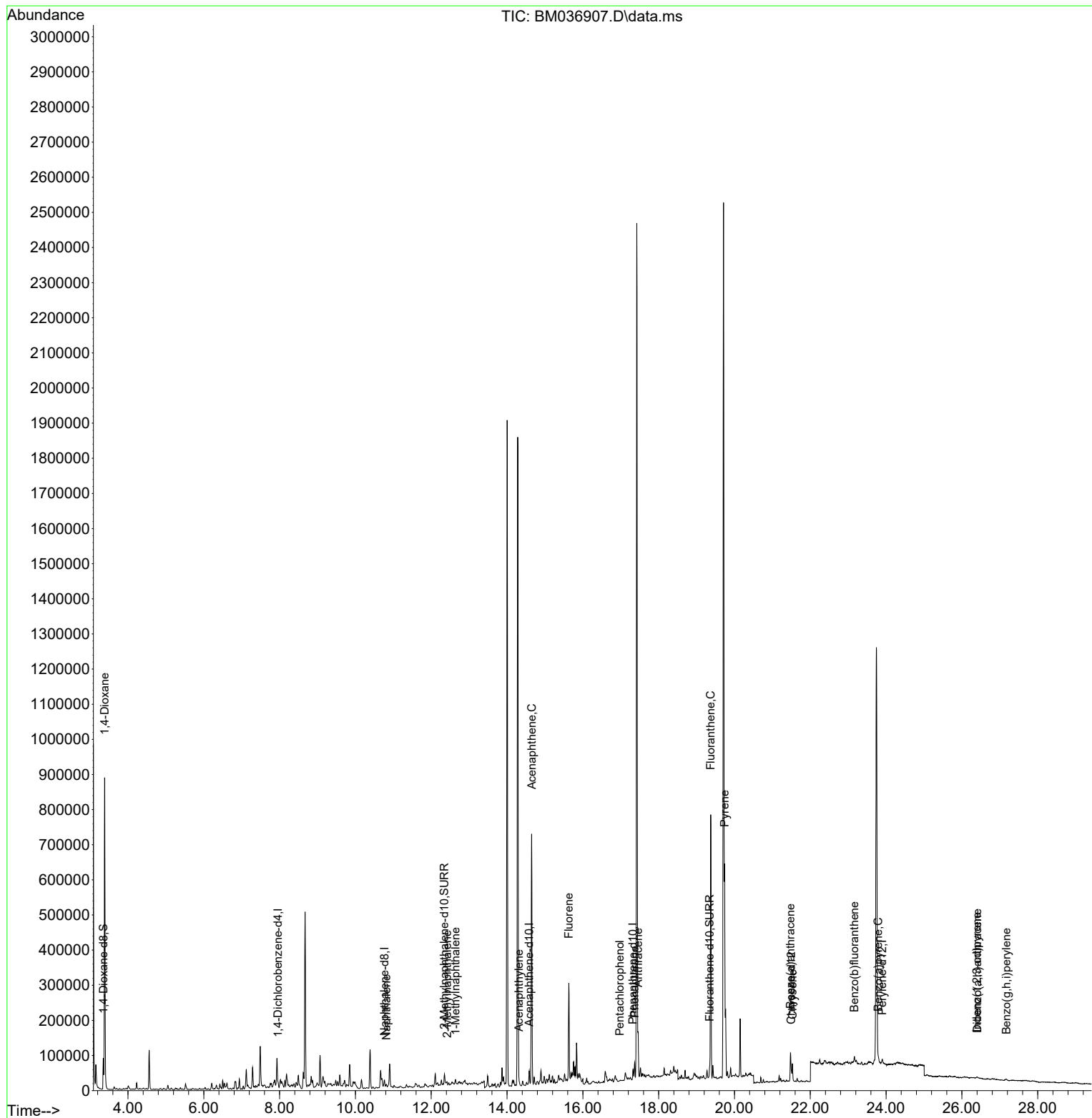
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.960	152	7679	0.400	ng/ul	0.00
4) Naphthalene-d8	10.765	136	27764	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.584	164	22602	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.322	188	35591	0.400	ng/ul #	0.00
17) Chrysene-d12	21.494	240	19300	0.400	ng/ul #	0.00
23) Perylene-d12	23.899	264	18449	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.348	96	51589	4.764	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.349	152	19695	0.470	ng/ul	0.00
18) Fluoranthene-d10	19.345	212	34939	0.605	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.386	88	583189	55.091	ng/ul#	74
5) Naphthalene	10.815	128	7903	0.100	ng/ul#	50
7) 2-Methylnaphthalene	12.420	142	4649	0.096	ng/ul	90
8) 1-Methylnaphthalene	12.640	142	7356	0.149	ng/ul	97
10) Acenaphthylene	14.311	152	14894	0.159	ng/ul#	7
11) Acenaphthene	14.649	153	407963	5.004	ng/ul	97
12) Fluorene	15.630	166	168105	1.820	ng/ul	99
14) Pentachlorophenol	16.976	266	228	0.026	ng/ul	94
15) Phenanthrene	17.364	178	49513	0.436	ng/ul#	80
16) Anthracene	17.457	178	125658	1.323	ng/ul	95
19) Fluoranthene	19.373	202	620198	8.079	ng/ul	98
20) Pyrene	19.740	202	473841	5.919	ng/ul	99
21) Benzo(a)anthracene	21.476	228	65086	0.933	ng/ul#	90
22) Chrysene	21.529	228	54050	0.722	ng/ul#	88
24) Benzo(b)fluoranthene	23.163	252	27491	0.334	ng/ul#	1
26) Benzo(a)pyrene	23.791	252	17577	0.263	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.393	276	6029	0.064	ng/ul#	45
28) Dibenzo(a,h)anthracene	26.403	278	2034	0.027	ng/ul#	1
29) Benzo(g,h,i)perylene	27.171	276	7981	0.096	ng/ul#	1

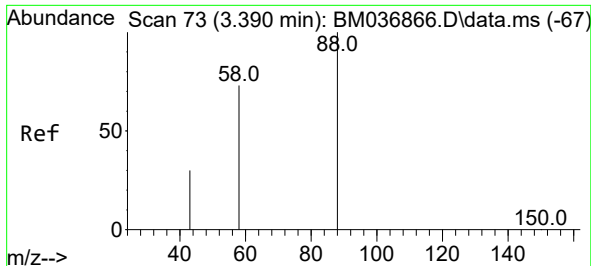
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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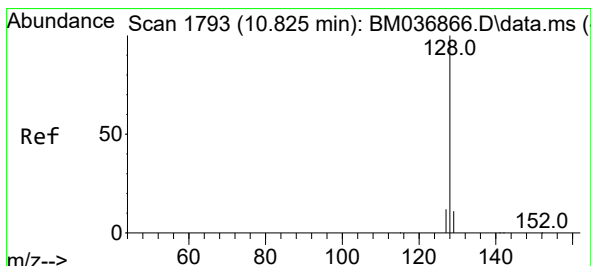
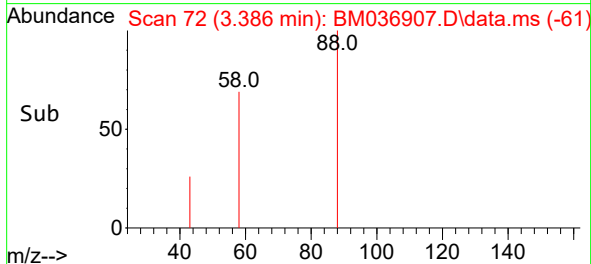
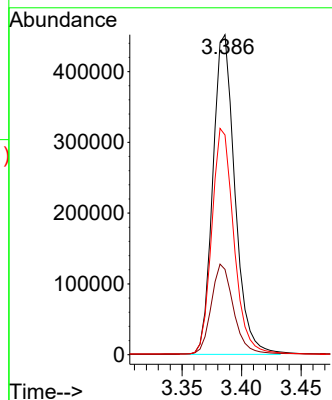
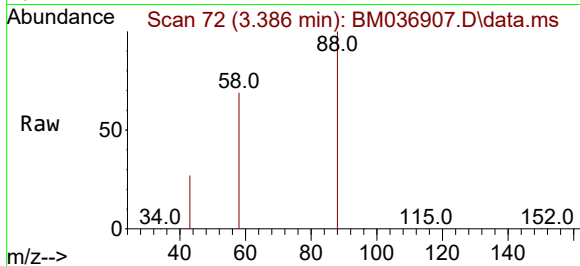




#2
1,4-Dioxane
Concen: 55.091 ng/ul
RT: 3.386 min Scan# 71
Delta R.T. -0.004 min
Lab File: BM036907.D
Acq: 10 Oct 2022 14:49

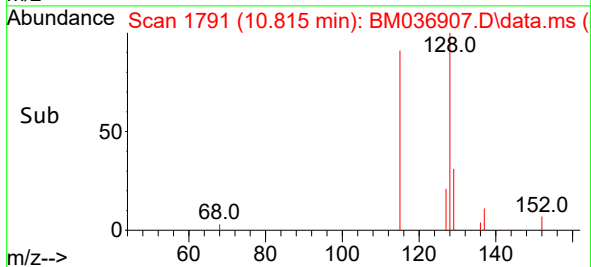
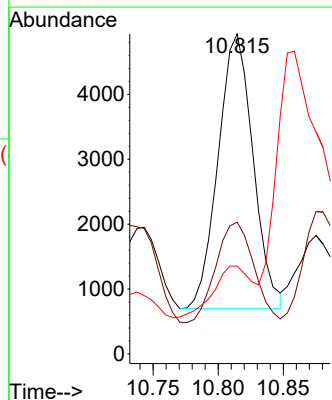
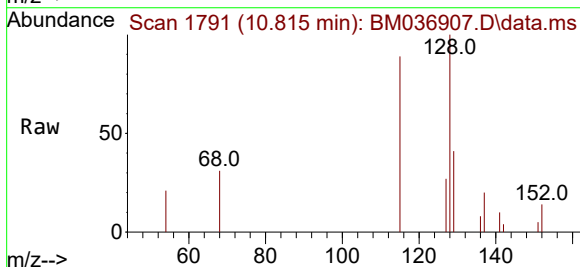
Instrument :
BNA_M
ClientSampleId :
CB8P1

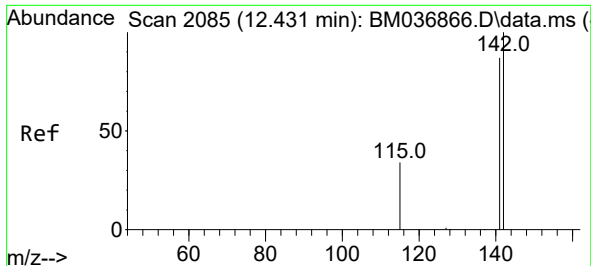
Tgt Ion: 88 Resp: 583189
Ion Ratio Lower Upper
88 100
43 26.7 37.8 56.6#
58 68.6 42.6 63.8#



#5
Naphthalene
Concen: 0.100 ng/ul
RT: 10.815 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BM036907.D
Acq: 10 Oct 2022 14:49

Tgt Ion: 128 Resp: 7903
Ion Ratio Lower Upper
128 100
129 41.1 10.2 15.2#
127 27.5 11.7 17.5#

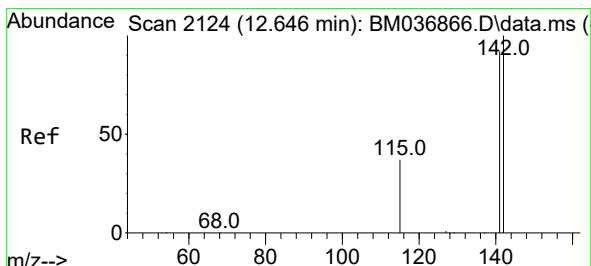
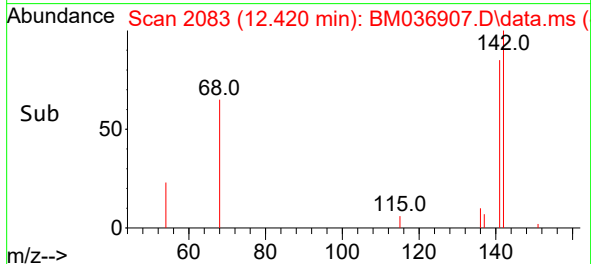
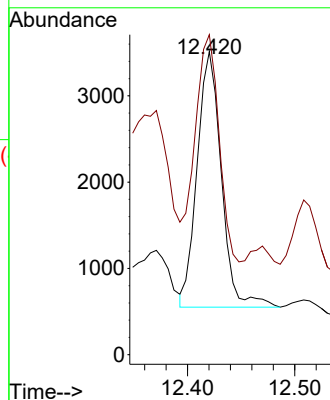
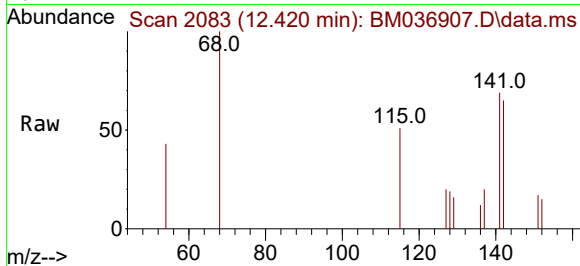




#7
2-Methylnaphthalene
Concen: 0.096 ng/ul
RT: 12.420 min Scan# 2083
Delta R.T. 0.000 min
Lab File: BM036907.D
Acq: 10 Oct 2022 14:49

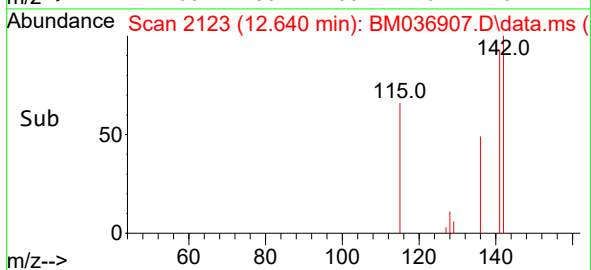
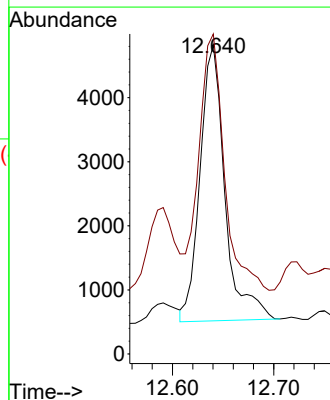
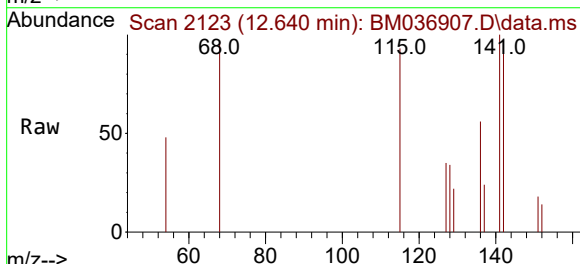
Instrument :
BNA_M
ClientSampleId :
CB8P1

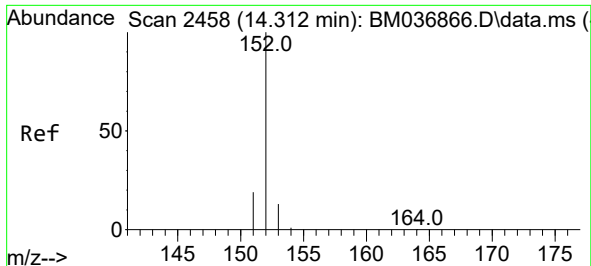
Tgt Ion:142 Resp: 4649
Ion Ratio Lower Upper
142 100
141 87.1 77.4 116.0



#8
1-Methylnaphthalene
Concen: 0.149 ng/ul
RT: 12.640 min Scan# 2123
Delta R.T. 0.000 min
Lab File: BM036907.D
Acq: 10 Oct 2022 14:49

Tgt Ion:142 Resp: 7356
Ion Ratio Lower Upper
142 100
141 95.6 74.1 111.1

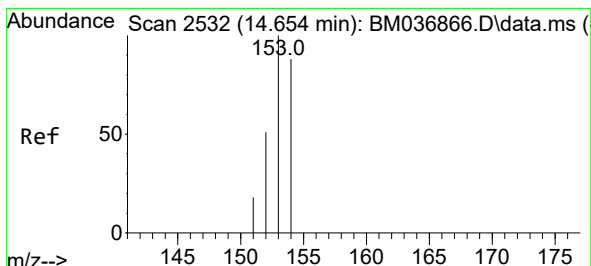
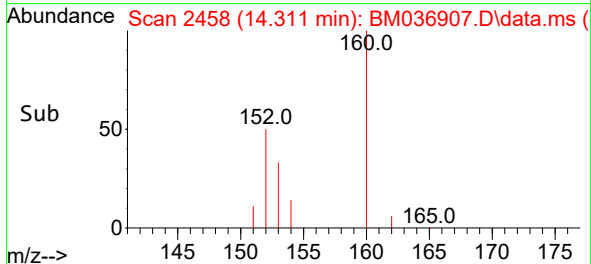
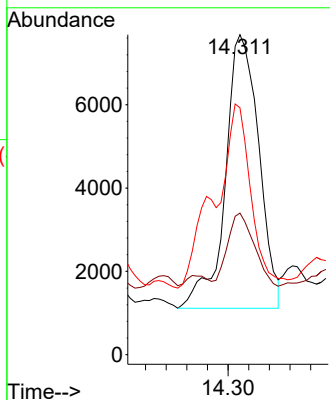
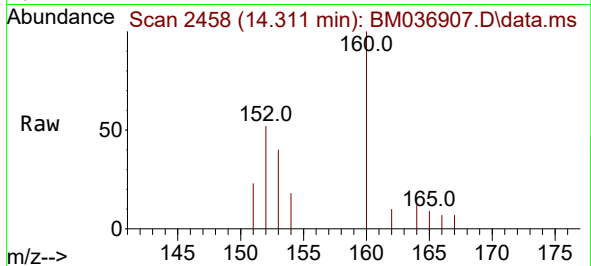




#10
Acenaphthylene
Concen: 0.159 ng/ul
RT: 14.311 min Scan# 2458
Delta R.T. 0.004 min
Lab File: BM036907.D
Acq: 10 Oct 2022 14:49

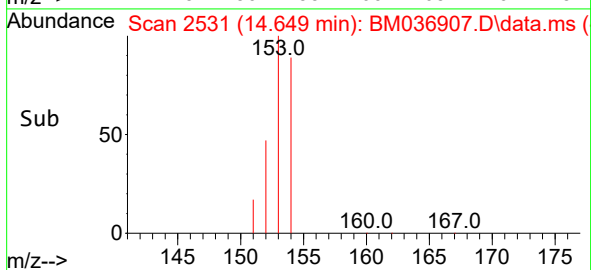
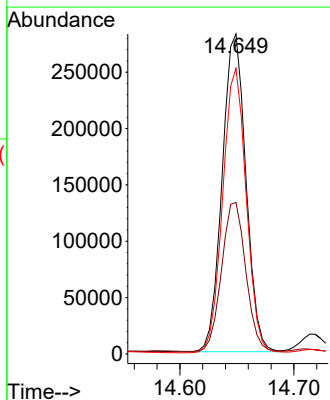
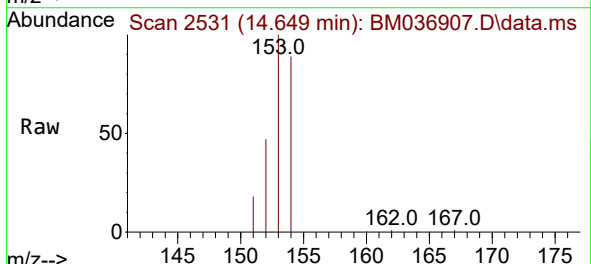
Instrument :
BNA_M
ClientSampleId :
CB8P1

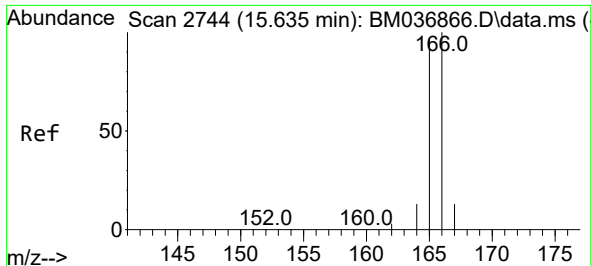
Tgt Ion:152 Resp: 14894
Ion Ratio Lower Upper
152 100
151 44.3 16.6 24.8#
153 77.1 11.4 17.0#



#11
Acenaphthene
Concen: 5.004 ng/ul
RT: 14.649 min Scan# 2531
Delta R.T. 0.004 min
Lab File: BM036907.D
Acq: 10 Oct 2022 14:49

Tgt Ion:153 Resp: 407963
Ion Ratio Lower Upper
153 100
152 47.4 40.2 60.4
154 89.2 69.7 104.5

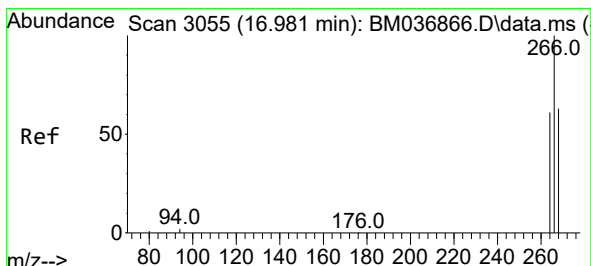
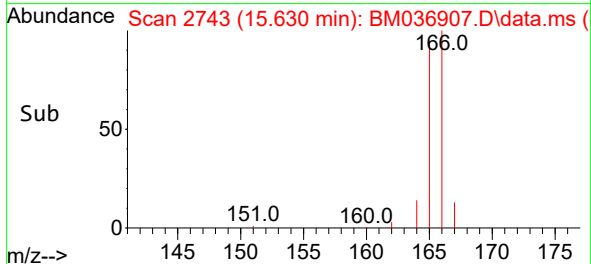
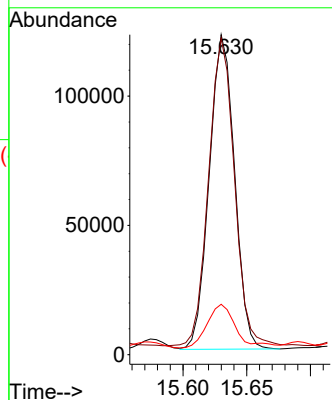
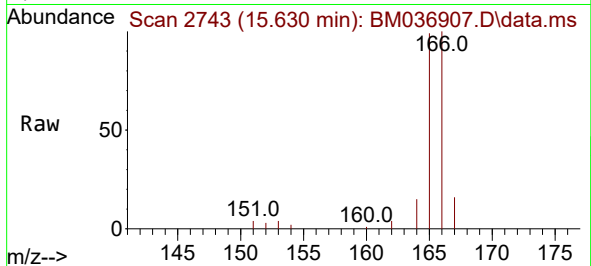




#12
Fluorene
Concen: 1.820 ng/ul
RT: 15.630 min Scan# 21
Delta R.T. -0.001 min
Lab File: BM036907.D
Acq: 10 Oct 2022 14:49

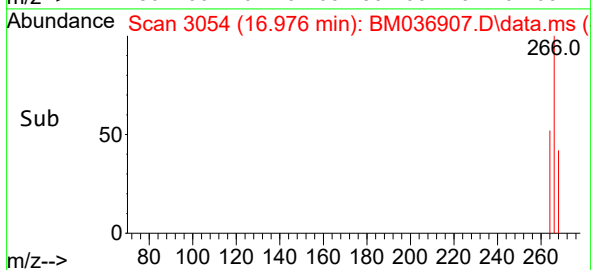
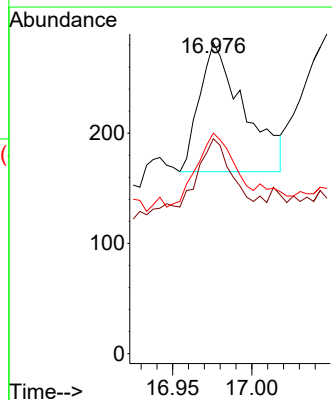
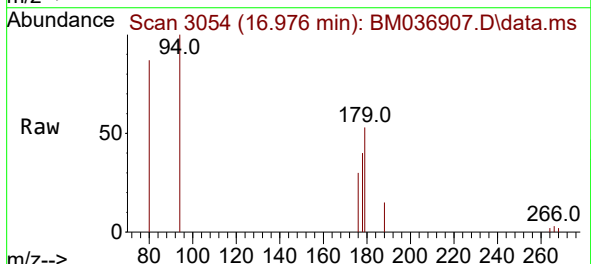
Instrument :
BNA_M
ClientSampleId :
CB8P1

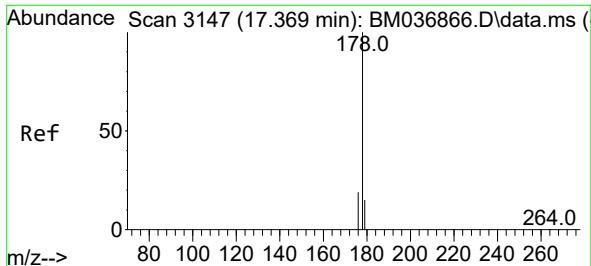
Tgt Ion:166 Resp: 168105
Ion Ratio Lower Upper
166 100
165 98.9 78.9 118.3
167 15.8 11.3 16.9



#14
Pentachlorophenol
Concen: 0.026 ng/ul
RT: 16.976 min Scan# 3054
Delta R.T. -0.001 min
Lab File: BM036907.D
Acq: 10 Oct 2022 14:49

Tgt Ion:266 Resp: 228
Ion Ratio Lower Upper
266 100
264 61.8 50.3 75.5
268 58.8 53.5 80.3

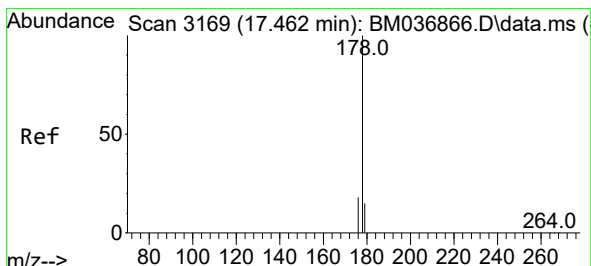
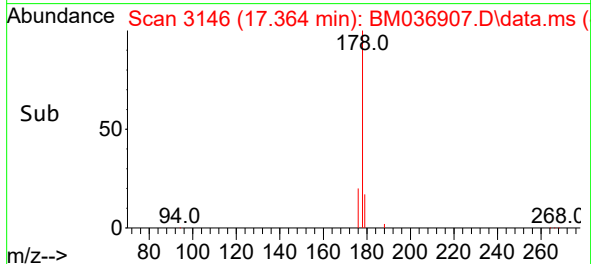
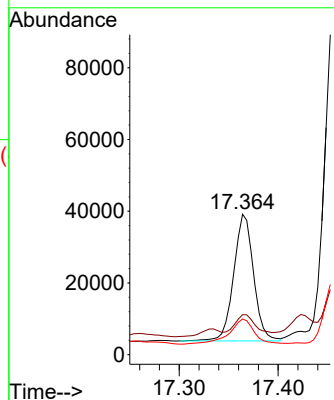
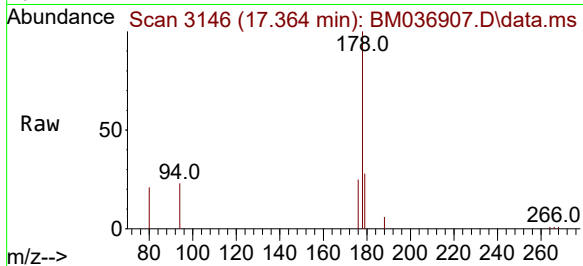




#15
Phenanthrene
Concen: 0.436 ng/ul
RT: 17.364 min Scan# 3146
Delta R.T. -0.001 min
Lab File: BM036907.D
Acq: 10 Oct 2022 14:49

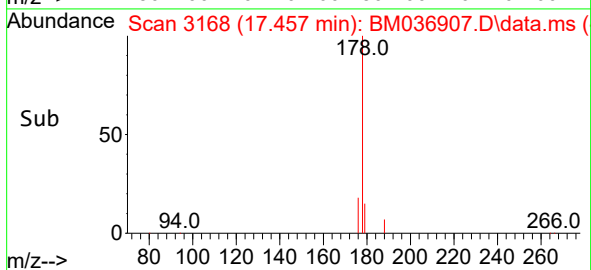
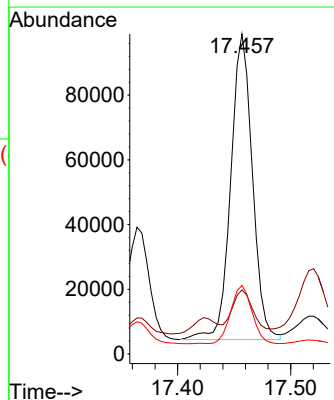
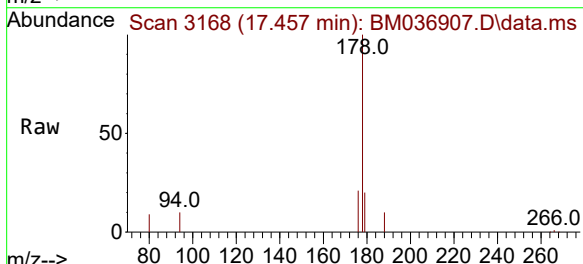
Instrument :
BNA_M
ClientSampleId :
CB8P1

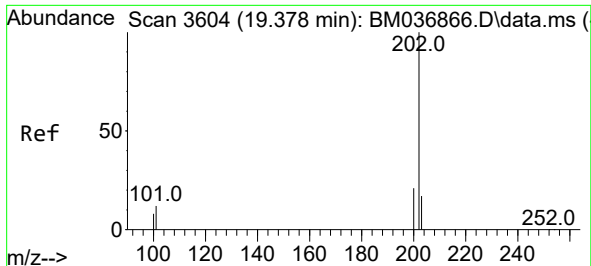
Tgt Ion:178 Resp: 49513
Ion Ratio Lower Upper
178 100
179 28.5 13.0 19.6#
176 25.4 15.6 23.4#



#16
Anthracene
Concen: 1.323 ng/ul
RT: 17.457 min Scan# 3168
Delta R.T. 0.003 min
Lab File: BM036907.D
Acq: 10 Oct 2022 14:49

Tgt Ion:178 Resp: 125658
Ion Ratio Lower Upper
178 100
179 20.0 13.6 20.4
176 21.4 15.6 23.4

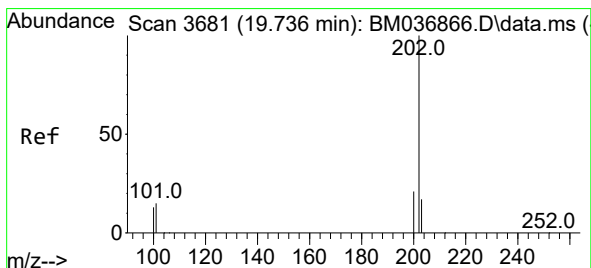
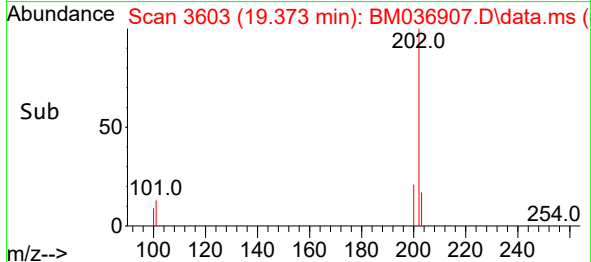
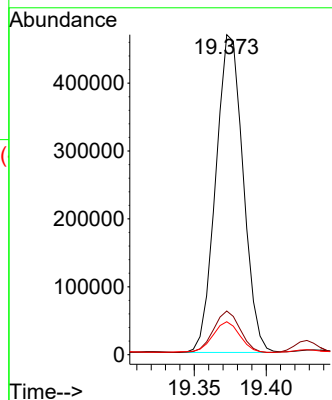
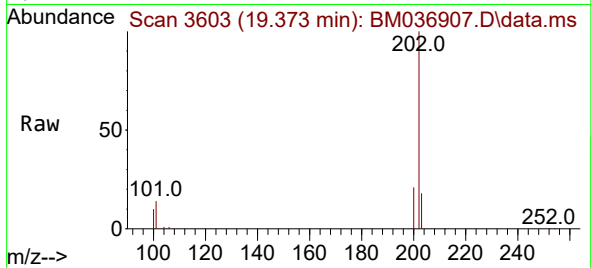




#19
Fluoranthene
Concen: 8.079 ng/ul
RT: 19.373 min Scan# 3603
Delta R.T. -0.001 min
Lab File: BM036907.D
Acq: 10 Oct 2022 14:49

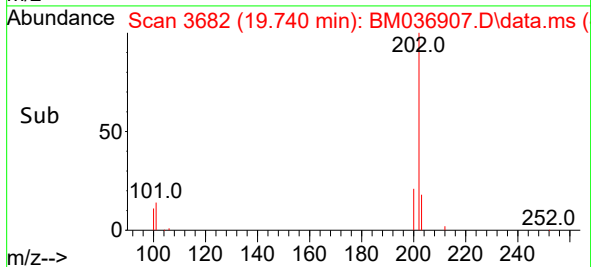
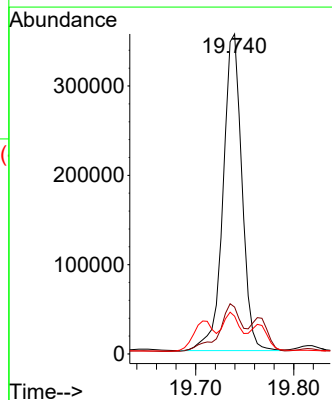
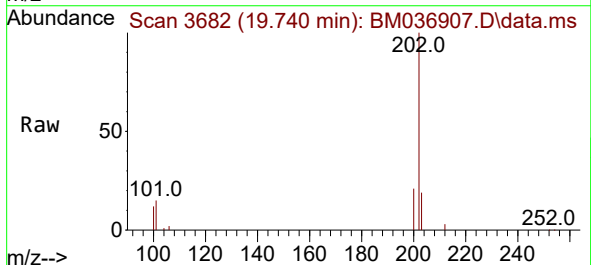
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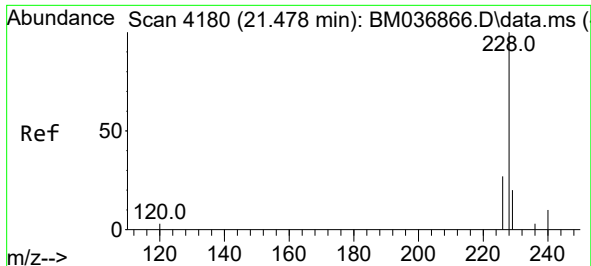
Tgt Ion:202 Resp: 620198
Ion Ratio Lower Upper
202 100
101 13.6 10.1 15.1
100 10.3 7.9 11.9



#20
Pyrene
Concen: 5.919 ng/ul
RT: 19.740 min Scan# 3682
Delta R.T. 0.008 min
Lab File: BM036907.D
Acq: 10 Oct 2022 14:49

Tgt Ion:202 Resp: 473841
Ion Ratio Lower Upper
202 100
101 14.7 12.0 18.0
100 11.8 9.8 14.6

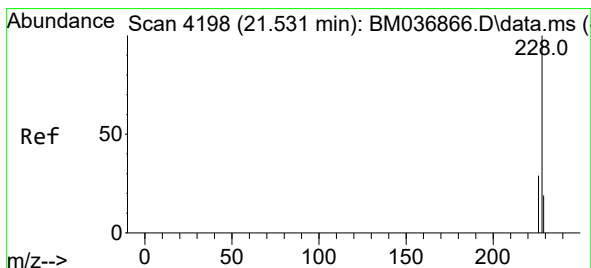
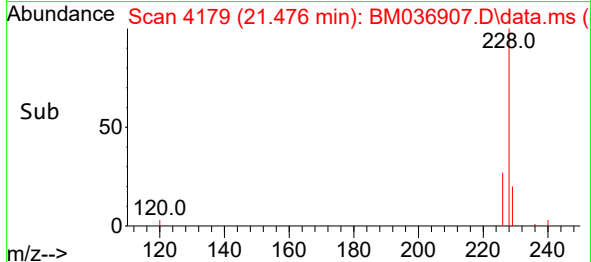
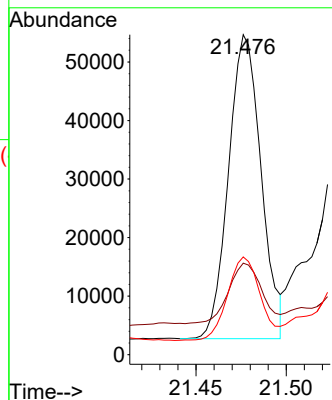
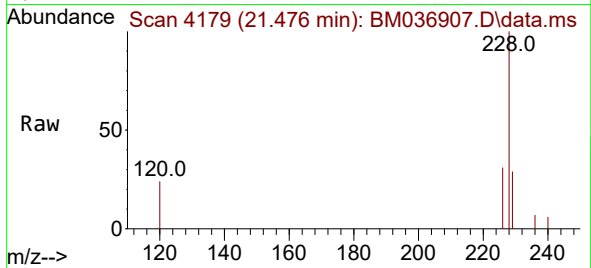




#21
Benzo(a)anthracene
Concen: 0.933 ng/ul
RT: 21.476 min Scan# 4180
Delta R.T. 0.003 min
Lab File: BM036907.D
Acq: 10 Oct 2022 14:49

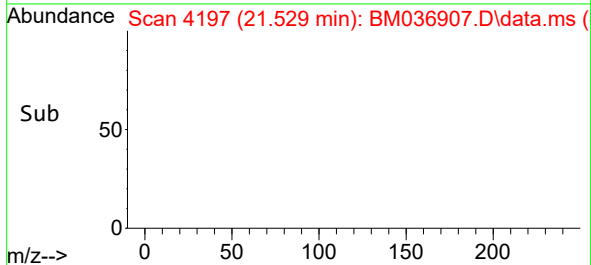
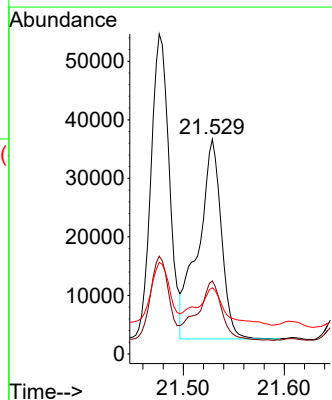
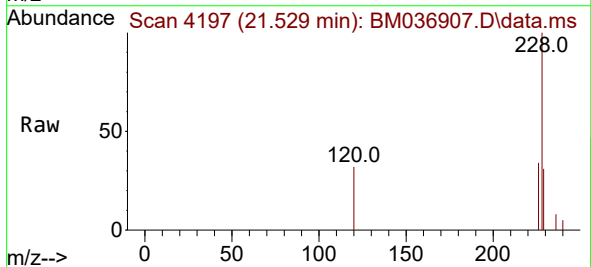
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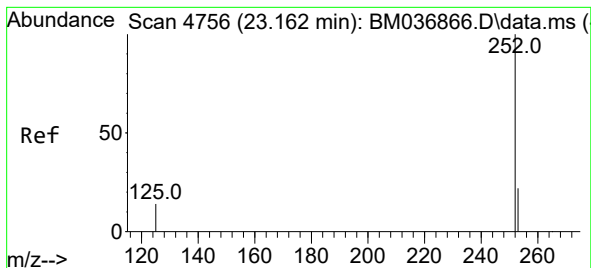
Tgt Ion:228 Resp: 65086
Ion Ratio Lower Upper
228 100
229 28.6 16.2 24.2#
226 30.6 22.5 33.7



#22
Chrysene
Concen: 0.722 ng/ul
RT: 21.529 min Scan# 4197
Delta R.T. 0.003 min
Lab File: BM036907.D
Acq: 10 Oct 2022 14:49

Tgt Ion:228 Resp: 54050
Ion Ratio Lower Upper
228 100
226 34.0 24.6 37.0
229 30.8 16.4 24.6#





#24

Benzo(b)fluoranthene

Concen: 0.334 ng/ul

RT: 23.163 min Scan# 4756

Delta R.T. 0.006 min

Lab File: BM036907.D

Acq: 10 Oct 2022 14:49

Instrument :

BNA_M

ClientSampleId :

CB8P1

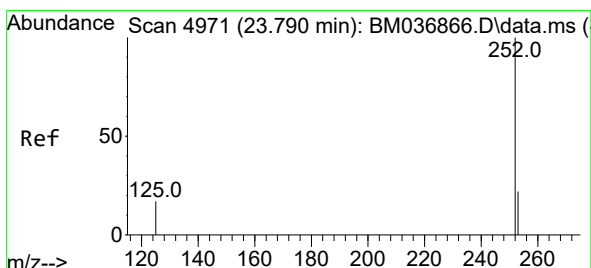
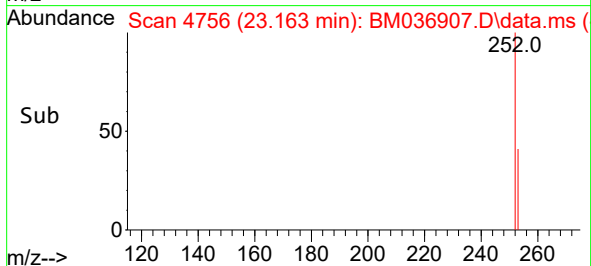
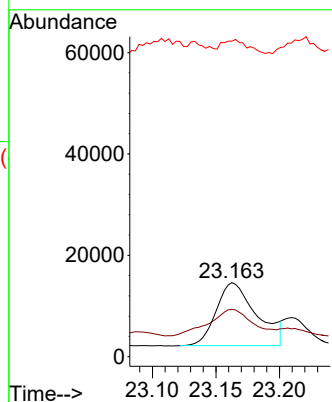
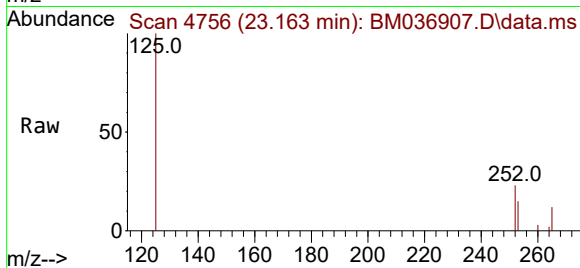
Tgt Ion:252 Resp: 27491

Ion Ratio Lower Upper

252 100

253 63.9 0.0 61.4#

125 425.6 0.0 42.6#



#26

Benzo(a)pyrene

Concen: 0.263 ng/ul

RT: 23.791 min Scan# 4971

Delta R.T. 0.009 min

Lab File: BM036907.D

Acq: 10 Oct 2022 14:49

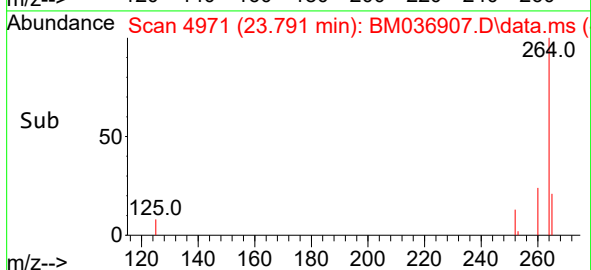
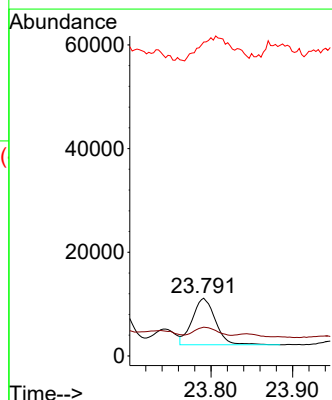
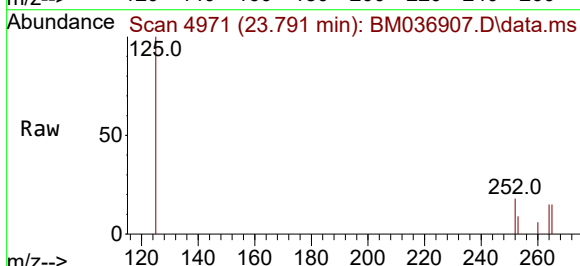
Tgt Ion:252 Resp: 17577

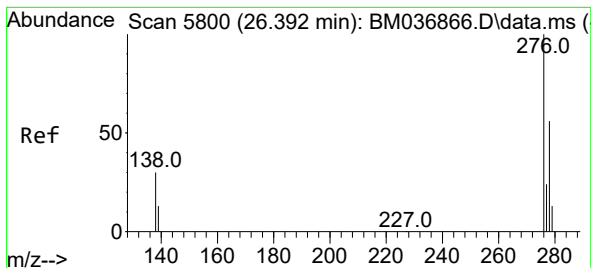
Ion Ratio Lower Upper

252 100

253 49.9 29.7 44.5#

125 542.8 23.6 35.4#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.064 ng/ul

RT: 26.393 min Scan# 5800

Delta R.T. 0.011 min

Lab File: BM036907.D

Acq: 10 Oct 2022 14:49

Instrument :

BNA_M

ClientSampleId :

CB8P1

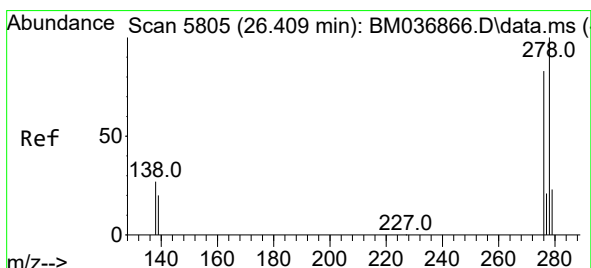
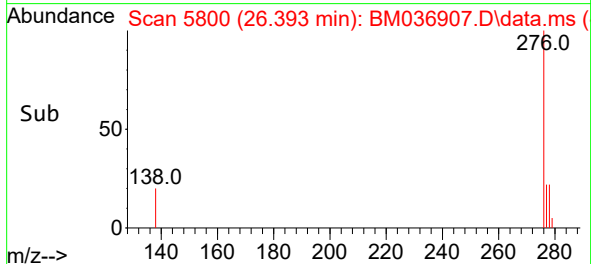
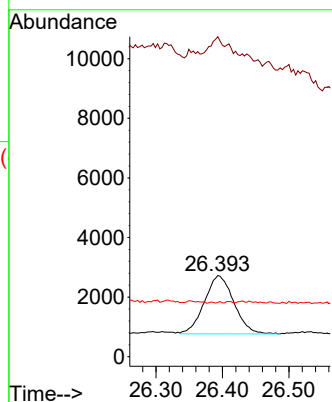
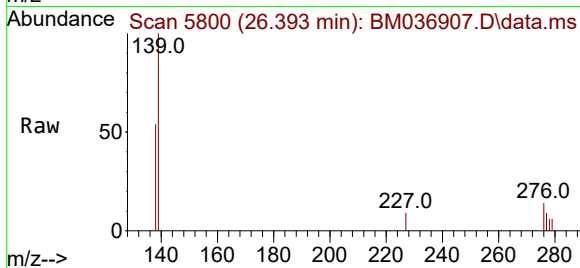
Tgt Ion:276 Resp: 6029

Ion Ratio Lower Upper

276 100

138 0.0 23.9 35.9#

227 0.3 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 0.027 ng/ul

RT: 26.403 min Scan# 5803

Delta R.T. 0.004 min

Lab File: BM036907.D

Acq: 10 Oct 2022 14:49

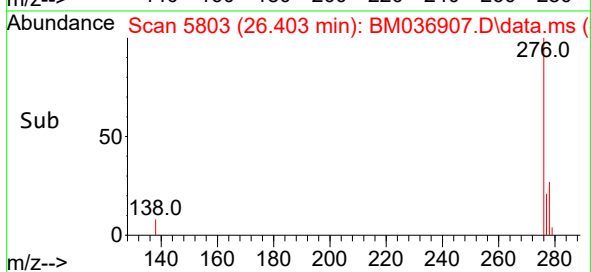
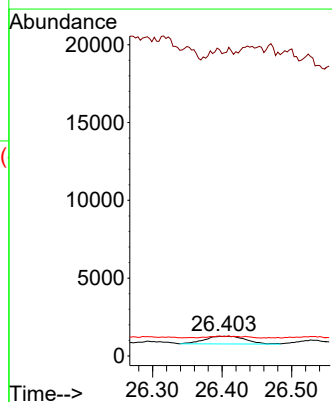
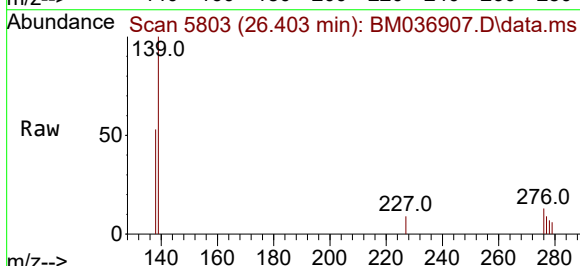
Tgt Ion:278 Resp: 2034

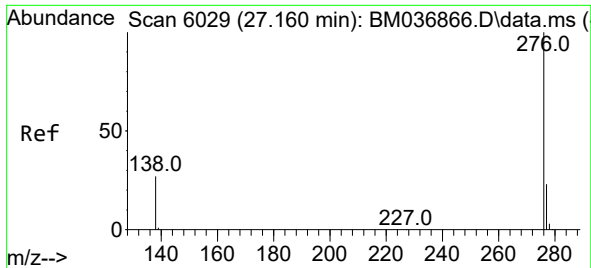
Ion Ratio Lower Upper

278 100

139 1532.7 19.8 29.6#

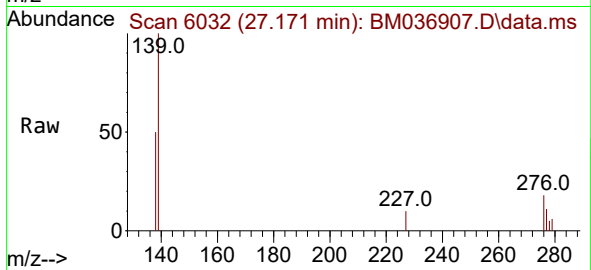
279 98.2 27.7 41.5#





#29
Benzo(g,h,i)perylene
Concen: 0.096 ng/ul
RT: 27.171 min Scan# 60
Delta R.T. 0.024 min
Lab File: BM036907.D
Acq: 10 Oct 2022 14:49

Instrument :
BNA_M
ClientSampleId :
CB8P1



Tgt Ion:276 Resp: 7981
Ion Ratio Lower Upper
276 100
138 282.4 23.4 35.0#
277 60.6 21.0 31.4#

