

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043116.D
 Acq On : 01 Dec 2023 10:34
 Operator : MA/JU
 Sample : 05459-17
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA5

Quant Time: Dec 01 23:18:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

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

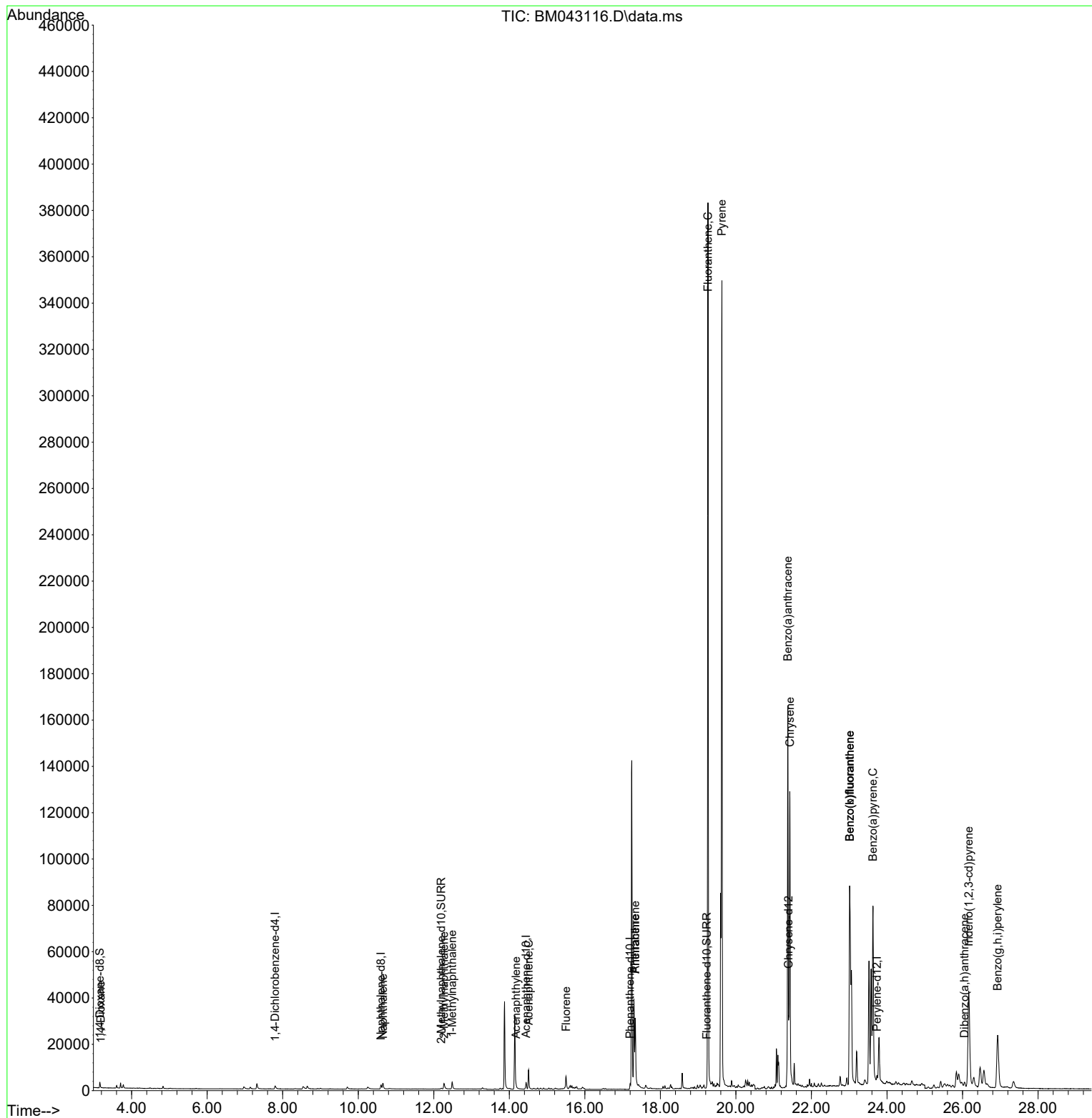
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.800	152	1042	0.400	ng/ul	#-0.06
4) Naphthalene-d8	10.600	136	3123	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.445	164	1565	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.199	188	3311	0.400	ng/ul	-0.03
17) Chrysene-d12	21.391	240	3181	0.400	ng/ul	#-0.02
23) Perylene-d12	23.736	264	5904	0.400	ng/ul	#-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	1635	1.023	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.200	152	769	0.184	ng/ul	-0.03
18) Fluoranthene-d10	19.228	212	1732	0.149	ng/ul	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.185	88	55	0.032	ng/ul#	78
5) Naphthalene	10.655	128	4358	0.513	ng/ul#	88
7) 2-Methylnaphthalene	12.271	142	2601	0.520	ng/ul	97
8) 1-Methylnaphthalene	12.486	142	2339	0.419	ng/ul	96
10) Acenaphthylene	14.177	152	1566	0.196	ng/ul#	94
11) Acenaphthene	14.510	153	5278	0.872	ng/ul	96
12) Fluorene	15.500	166	4053	0.652	ng/ul	98
15) Phenanthrene	17.334	178	35122	3.717	ng/ul	94
16) Anthracene	17.334	178	40675	4.544	ng/ul#	90
19) Fluoranthene	19.261	202	330304	18.315	ng/ul#	90
20) Pyrene	19.628	202	291945	15.223	ng/ul#	91
21) Benzo(a)anthracene	21.374	228	147649	14.305	ng/ul	94
22) Chrysene	21.427	228	118806	6.181	ng/ul	97
24) Benzo(b)fluoranthene	23.011	252	158192	7.940	ng/ul	79
25) Benzo(k)fluoranthene	23.011	252	224781	8.192	ng/ul#	80
26) Benzo(a)pyrene	23.627	252	115196	5.298	ng/ul#	68
27) Indeno(1,2,3-cd)pyrene	26.165	276	84468	2.871	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.051	278	1465	0.064	ng/ul	93
29) Benzo(g,h,i)perylene	26.930	276	56328	1.968	ng/ul#	89

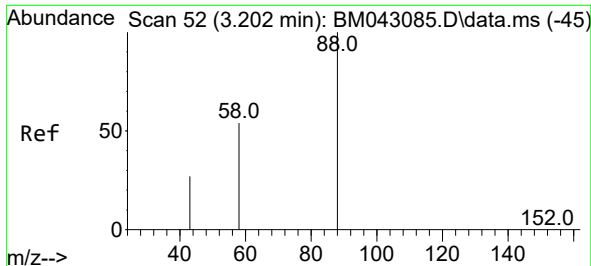
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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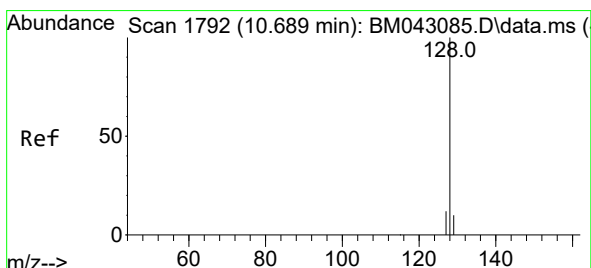
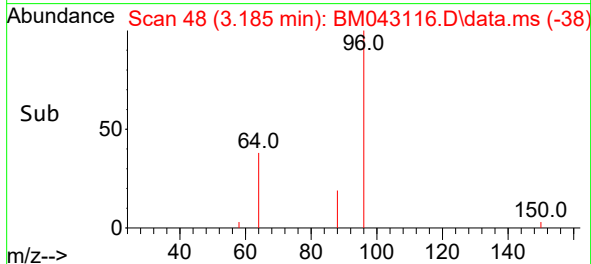
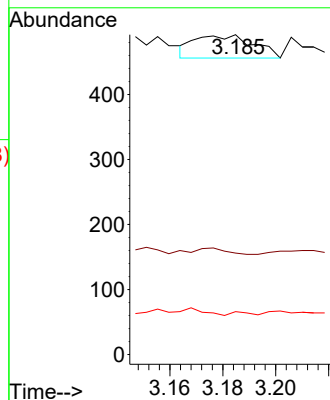
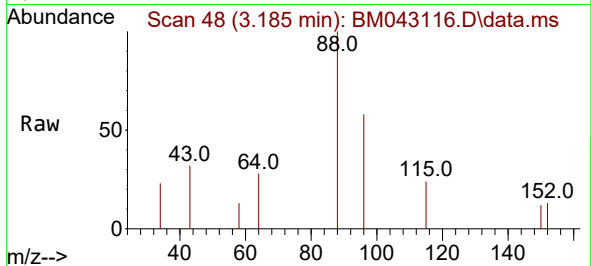




#2
1,4-Dioxane
Concen: 0.032 ng/ul
RT: 3.185 min Scan# 41
Delta R.T. -0.017 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

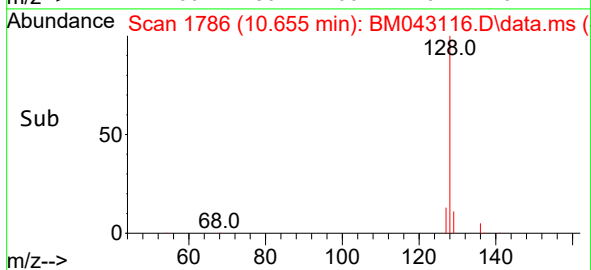
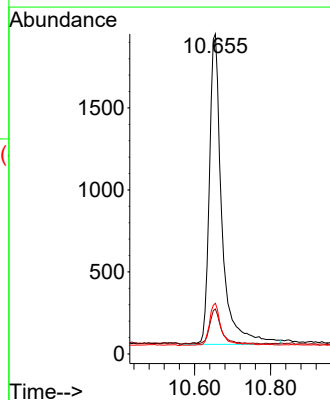
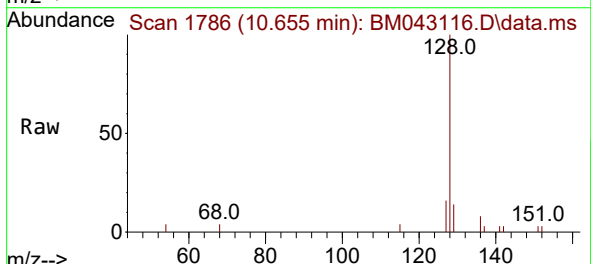
Instrument :
BNA_M
ClientSampleId :
C0AA5

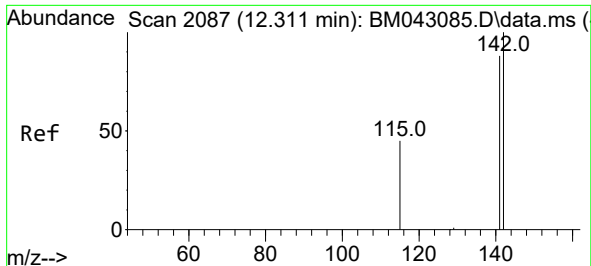
Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 31.7 22.8 34.2
58 13.4 26.8 40.2#



#5
Naphthalene
Concen: 0.513 ng/ul
RT: 10.655 min Scan# 1786
Delta R.T. -0.034 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

Tgt Ion: 128 Resp: 4358
Ion Ratio Lower Upper
128 100
129 14.0 16.0 24.0#
127 15.8 16.5 24.7#

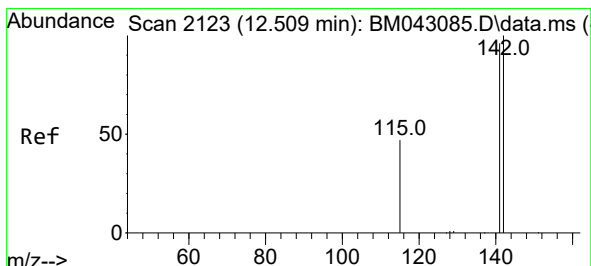
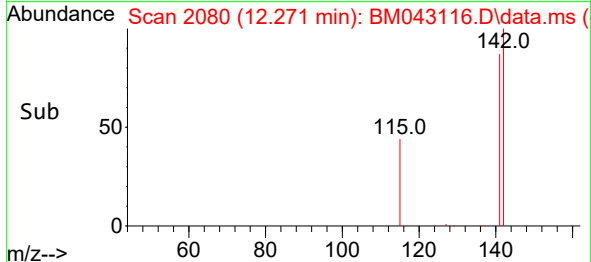
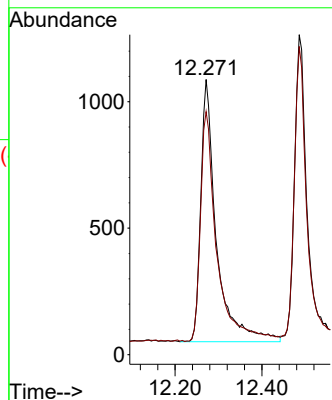
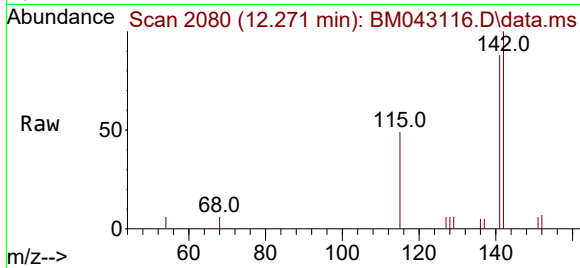




#7
2-Methylnaphthalene
Concen: 0.520 ng/ul
RT: 12.271 min Scan# 2087
Delta R.T. -0.040 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

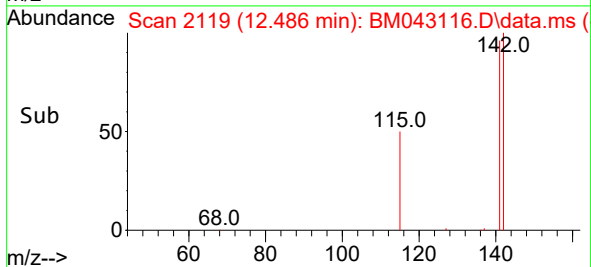
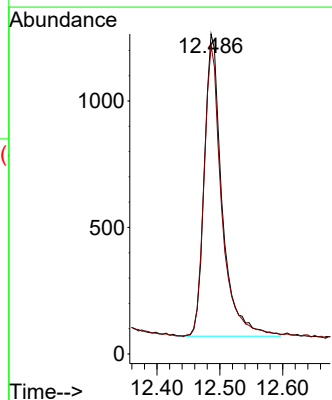
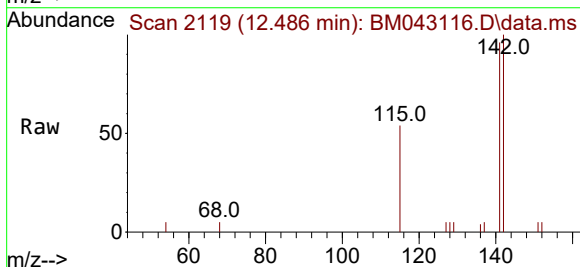
Instrument :
BNA_M
ClientSampleId :
C0AA5

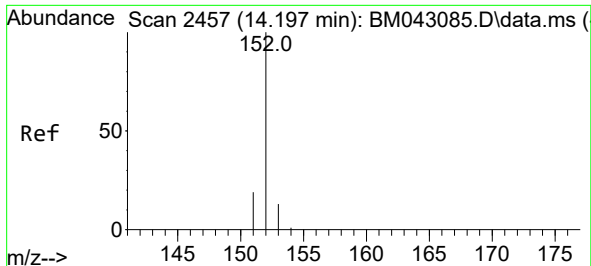
Tgt Ion:142 Resp: 2601
Ion Ratio Lower Upper
142 100
141 91.9 76.1 114.1



#8
1-Methylnaphthalene
Concen: 0.419 ng/ul
RT: 12.486 min Scan# 2119
Delta R.T. -0.023 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

Tgt Ion:142 Resp: 2339
Ion Ratio Lower Upper
142 100
141 96.5 73.8 110.8

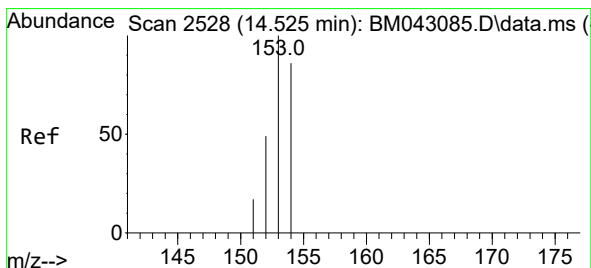
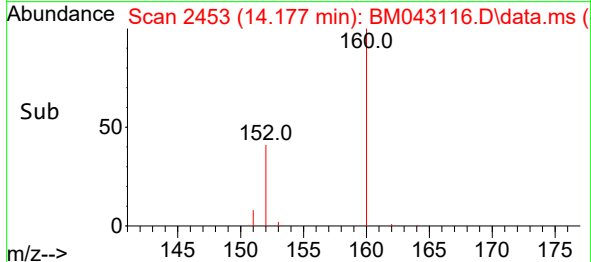
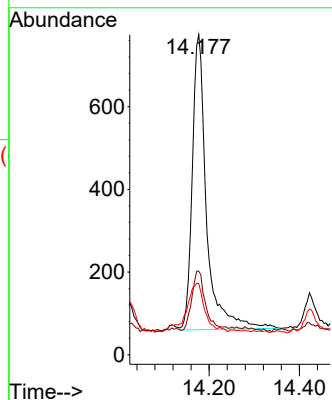
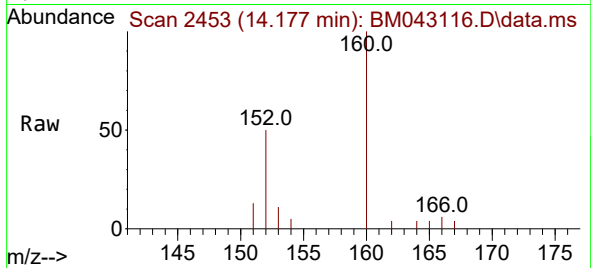




#10
Acenaphthylene
Concen: 0.196 ng/ul
RT: 14.177 min Scan# 2453
Delta R.T. -0.020 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

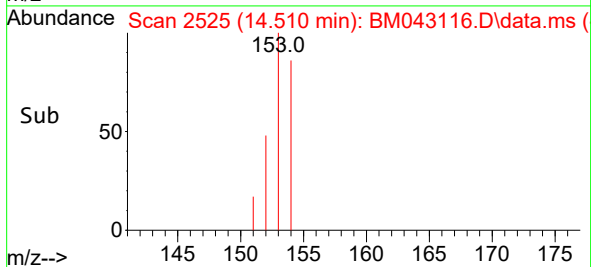
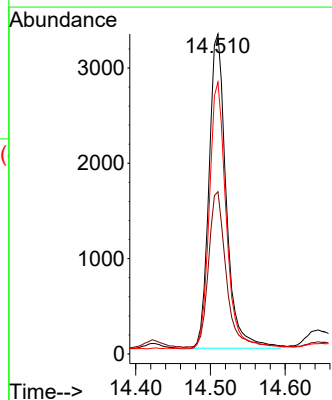
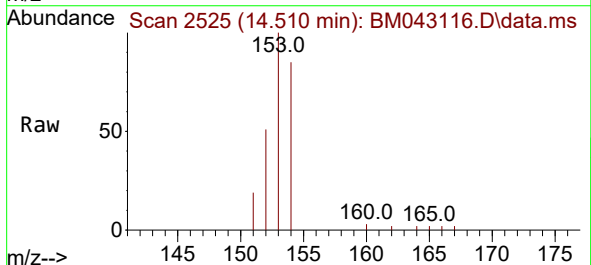
Instrument :
BNA_M
ClientSampleId :
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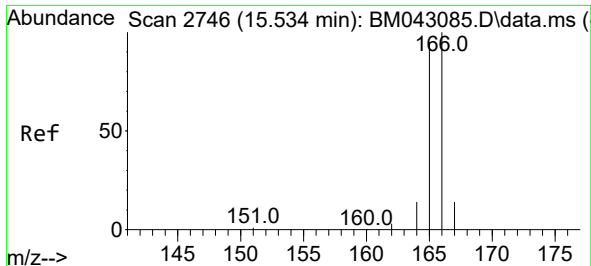
Tgt Ion:152 Resp: 1566
Ion Ratio Lower Upper
152 100
151 26.1 19.4 29.0
153 22.2 14.6 21.8#



#11
Acenaphthene
Concen: 0.872 ng/ul
RT: 14.510 min Scan# 2525
Delta R.T. -0.015 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

Tgt Ion:153 Resp: 5278
Ion Ratio Lower Upper
153 100
152 50.7 43.9 65.9
154 84.9 70.6 105.8

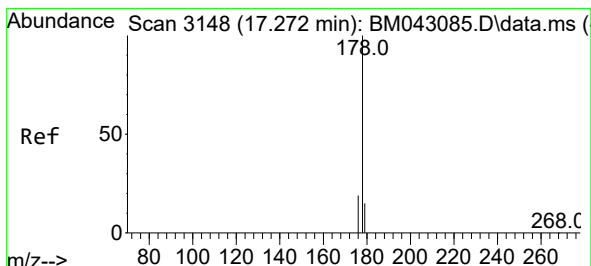
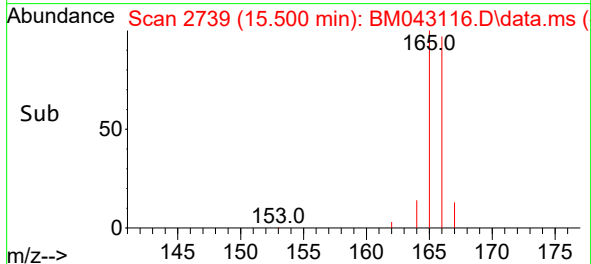
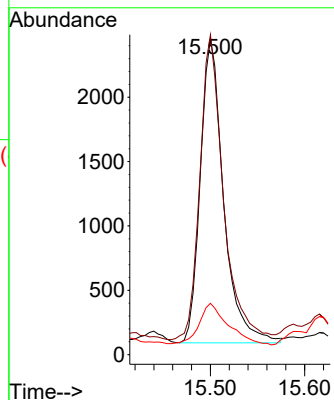
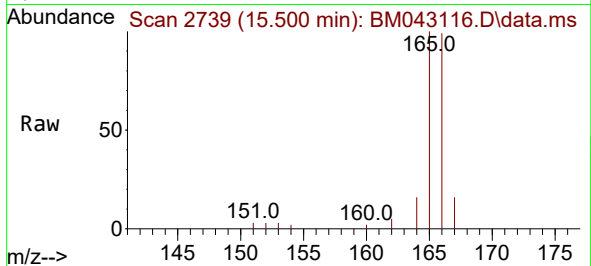




#12
Fluorene
Concen: 0.652 ng/ul
RT: 15.500 min Scan# 21
Delta R.T. -0.034 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

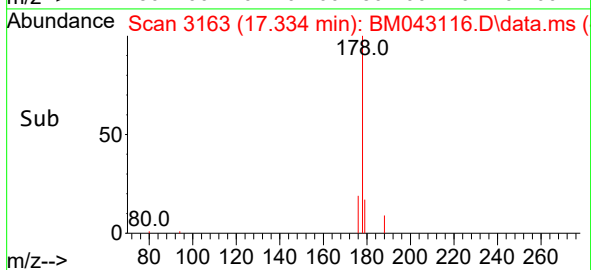
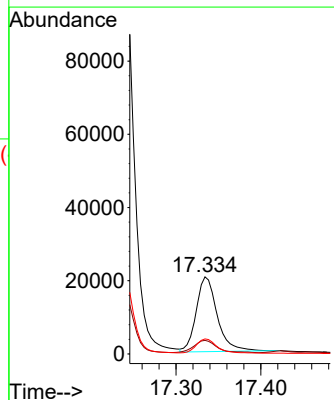
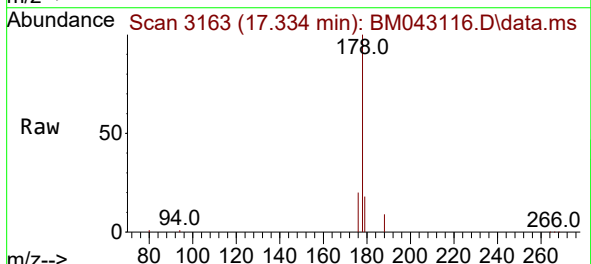
Instrument :
BNA_M
ClientSampleId :
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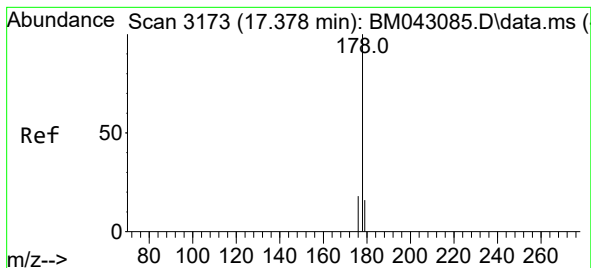
Tgt Ion:166 Resp: 4053
Ion Ratio Lower Upper
166 100
165 101.3 79.9 119.9
167 16.3 14.2 21.4



#15
Phenanthrene
Concen: 3.717 ng/ul
RT: 17.334 min Scan# 3163
Delta R.T. 0.062 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

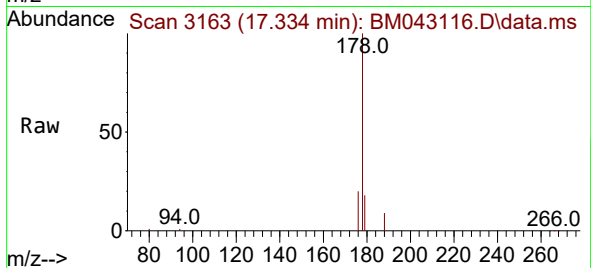
Tgt Ion:178 Resp: 35122
Ion Ratio Lower Upper
178 100
179 17.6 15.7 23.5
176 19.6 18.9 28.3



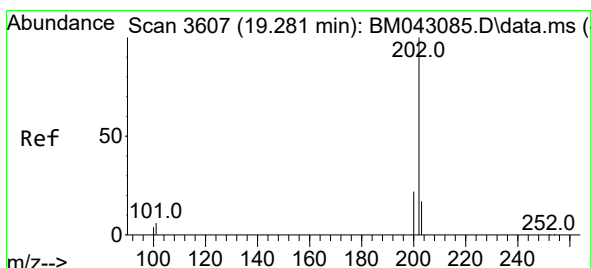
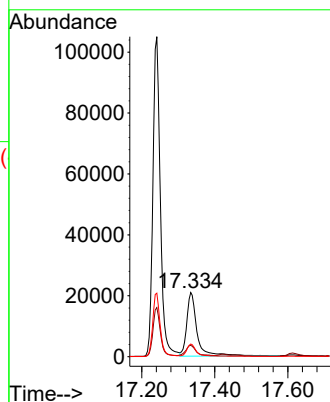
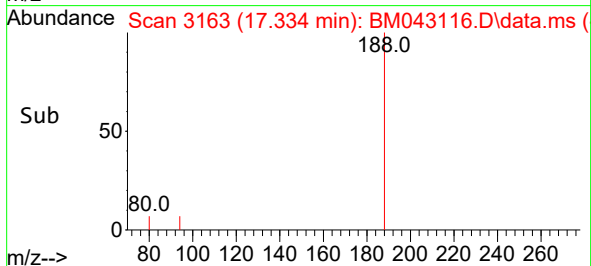


#16
Anthracene
Concen: 4.544 ng/ul
RT: 17.334 min Scan# 3173
Delta R.T. -0.043 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

Instrument :
BNA_M
ClientSampleId :
C0AA5

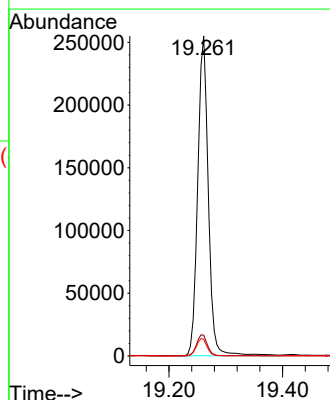
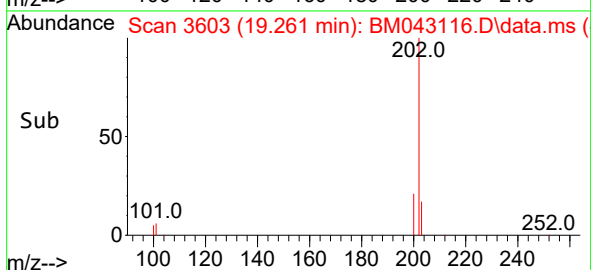
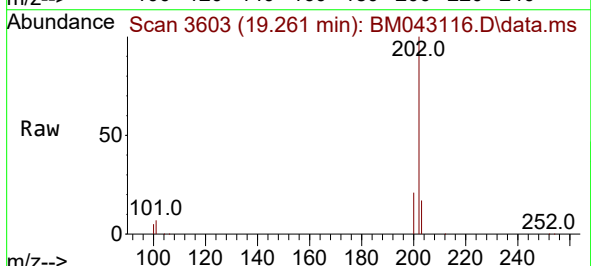


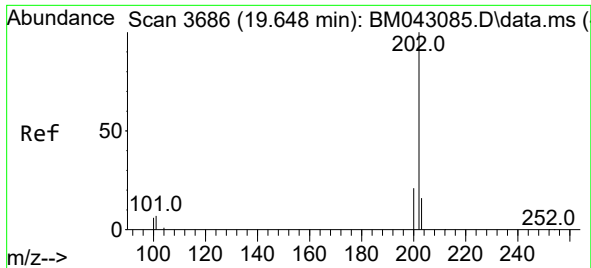
Tgt Ion:178 Resp: 40675
Ion Ratio Lower Upper
178 100
179 17.6 17.3 25.9
176 19.6 20.5 30.7#



#19
Fluoranthene
Concen: 18.315 ng/ul
RT: 19.261 min Scan# 3603
Delta R.T. -0.020 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

Tgt Ion:202 Resp: 330304
Ion Ratio Lower Upper
202 100
101 6.5 7.8 11.8#
100 5.2 7.1 10.7#

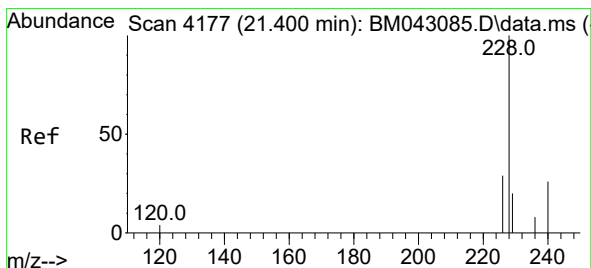
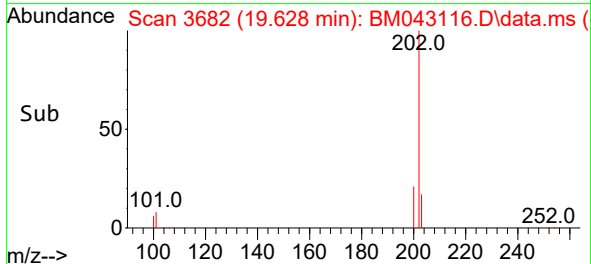
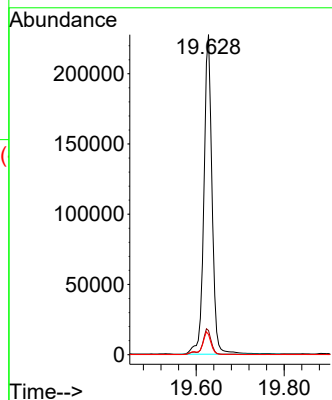
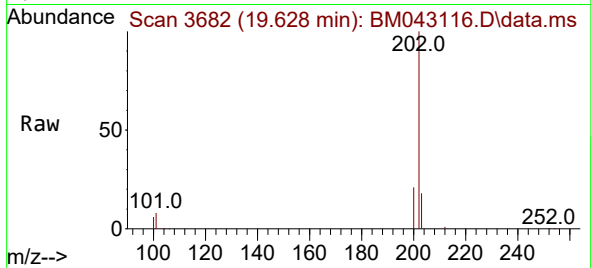




#20
Pyrene
Concen: 15.223 ng/ul
RT: 19.628 min Scan# 30
Delta R.T. -0.020 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

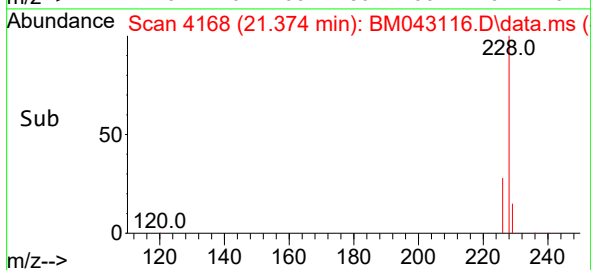
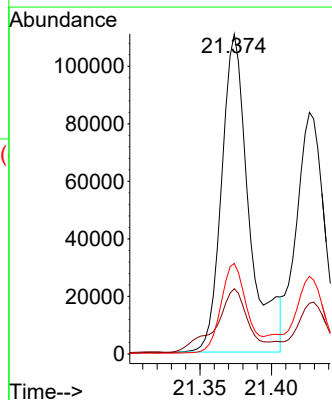
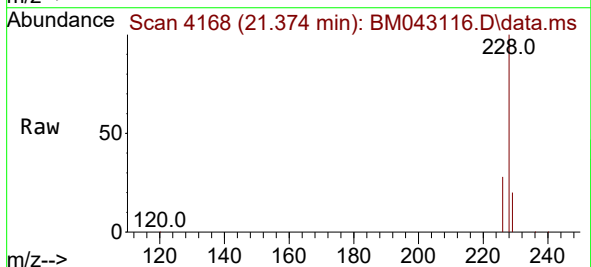
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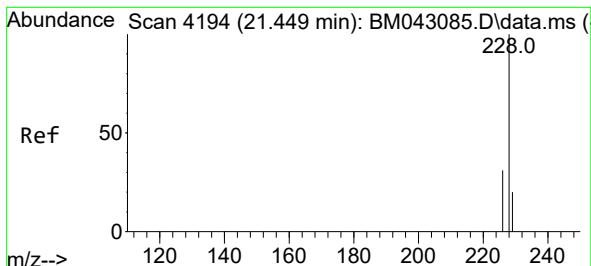
Tgt Ion:202 Resp: 291945
Ion Ratio Lower Upper
202 100
101 7.6 8.7 13.1#
100 6.3 7.8 11.8#



#21
Benzo(a)anthracene
Concen: 14.305 ng/ul
RT: 21.374 min Scan# 4168
Delta R.T. -0.026 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

Tgt Ion:228 Resp: 147649
Ion Ratio Lower Upper
228 100
229 20.4 19.4 29.0
226 28.3 24.9 37.3





#22

Chrysene

Concen: 6.181 ng/ul

RT: 21.427 min Scan# 41

Delta R.T. -0.023 min

Lab File: BM043116.D

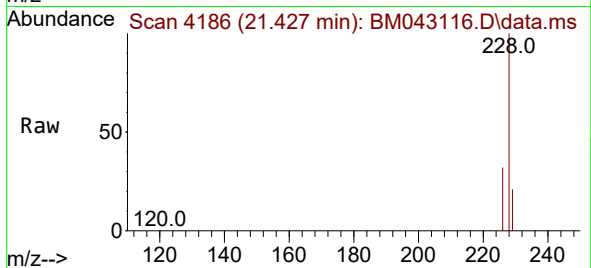
Acq: 01 Dec 2023 10:34

Instrument :

BNA_M

ClientSampleId :

C0AA5



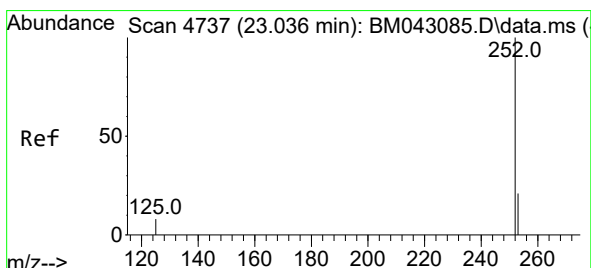
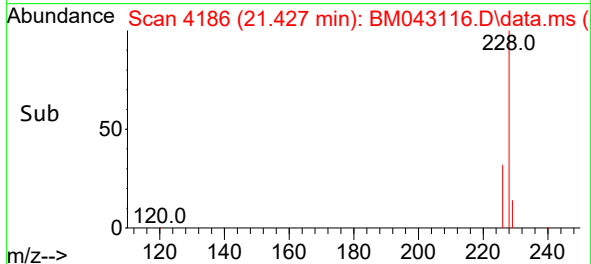
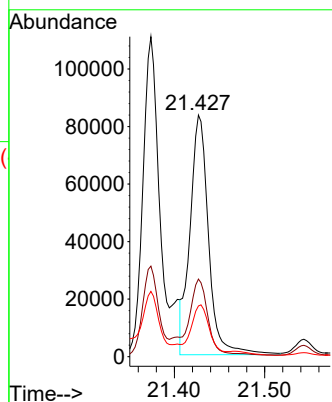
Tgt Ion:228 Resp: 118806

Ion Ratio Lower Upper

228 100

226 32.1 27.2 40.8

229 21.0 18.0 27.0



#24

Benzo(b)fluoranthene

Concen: 7.940 ng/ul

RT: 23.011 min Scan# 4728

Delta R.T. -0.026 min

Lab File: BM043116.D

Acq: 01 Dec 2023 10:34

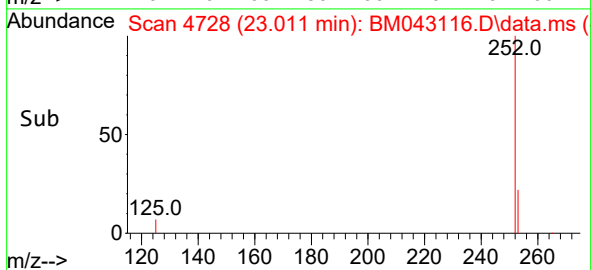
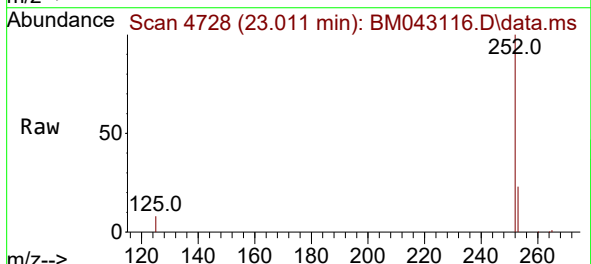
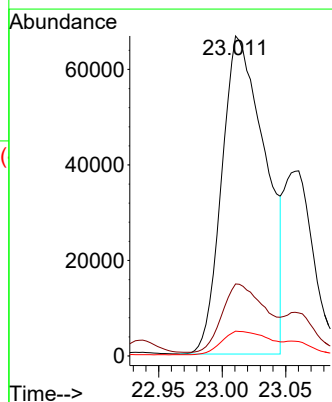
Tgt Ion:252 Resp: 158192

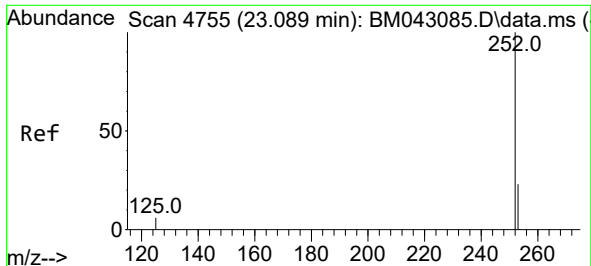
Ion Ratio Lower Upper

252 100

253 22.5 0.0 71.8

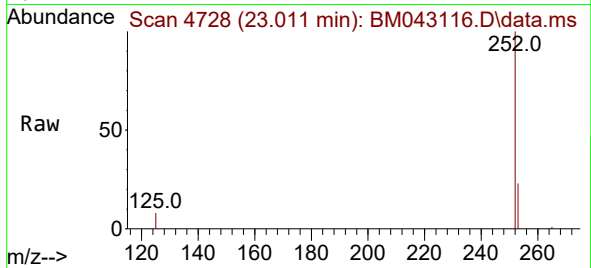
125 7.7 0.0 29.0



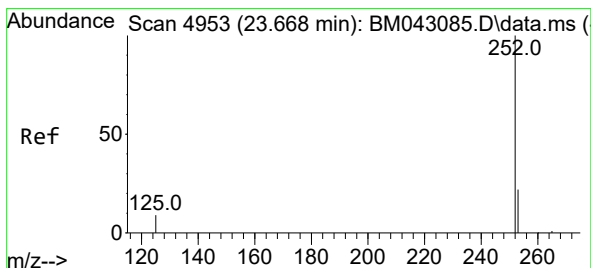
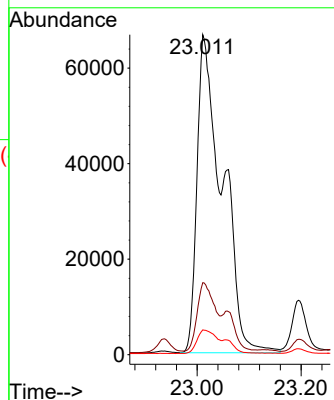


#25
Benzo(k)fluoranthene
Concen: 8.192 ng/ul
RT: 23.011 min Scan# 41
Delta R.T. -0.078 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

Instrument :
BNA_M
ClientSampleId :
C0AA5

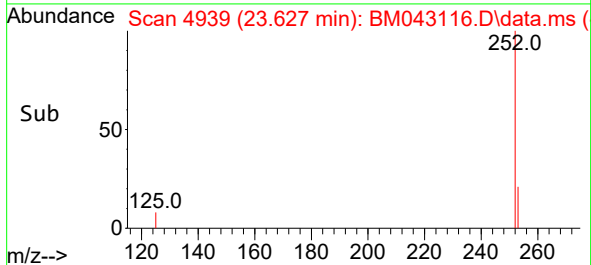
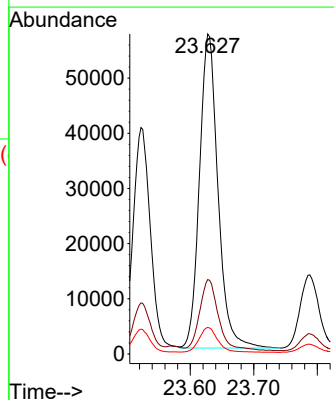
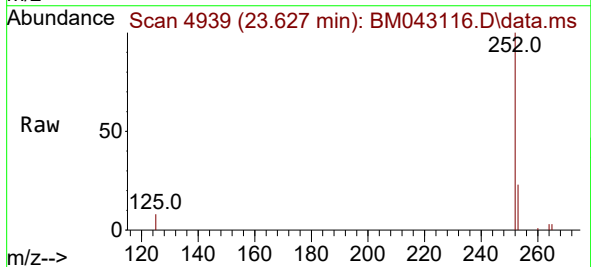


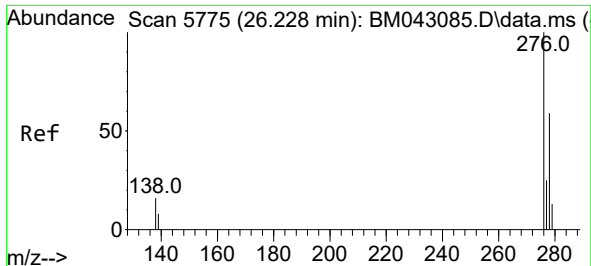
Tgt Ion:252 Resp: 224781
Ion Ratio Lower Upper
252 100
253 22.5 28.2 42.2#
125 7.7 11.0 16.6#



#26
Benzo(a)pyrene
Concen: 5.298 ng/ul
RT: 23.627 min Scan# 4939
Delta R.T. -0.040 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

Tgt Ion:252 Resp: 115196
Ion Ratio Lower Upper
252 100
253 23.2 36.6 55.0#
125 8.3 16.2 24.4#

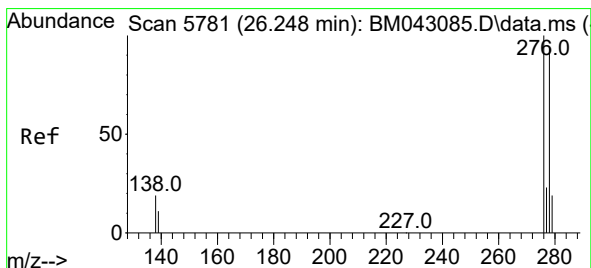
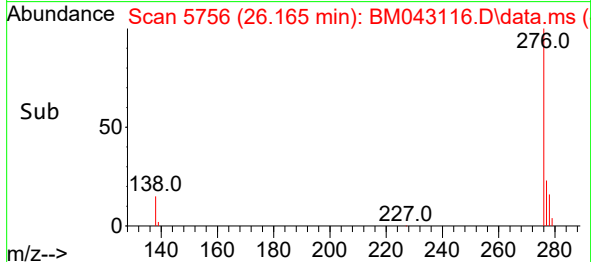
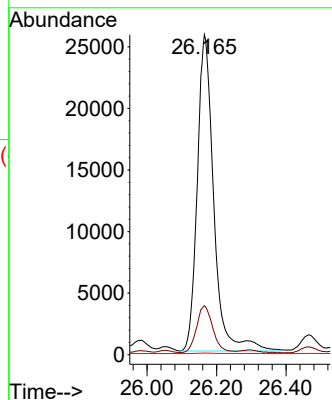
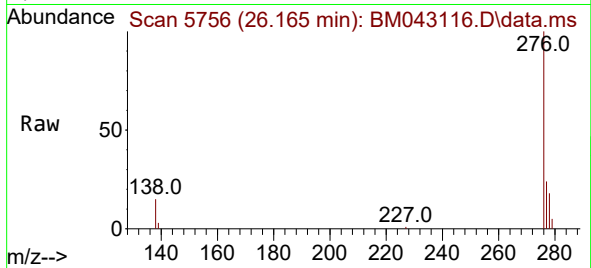




#27
Indeno(1,2,3-cd)pyrene
Concen: 2.871 ng/ul
RT: 26.165 min Scan# 51
Delta R.T. -0.063 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

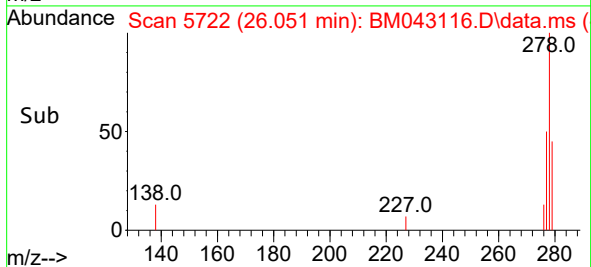
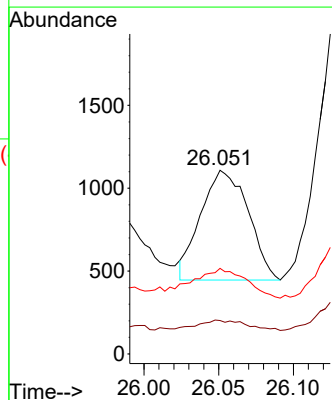
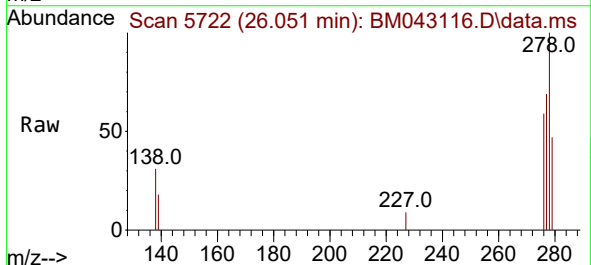
Instrument :
BNA_M
ClientSampleId :
C0AA5

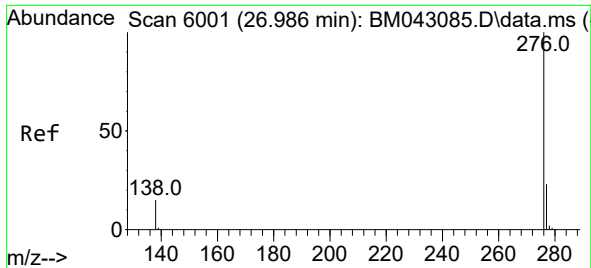
Tgt Ion:276 Resp: 84468
Ion Ratio Lower Upper
276 100
138 14.7 0.0 0.0#
227 0.2 0.2 0.2#



#28
Dibenzo(a,h)anthracene
Concen: 0.064 ng/ul
RT: 26.051 min Scan# 5722
Delta R.T. -0.197 min
Lab File: BM043116.D
Acq: 01 Dec 2023 10:34

Tgt Ion:278 Resp: 1465
Ion Ratio Lower Upper
278 100
139 18.2 18.1 27.1
279 46.7 34.4 51.6





#29
 Benzo(g,h,i)perylene
 Concen: 1.968 ng/ul
 RT: 26.930 min Scan# 51
 Delta R.T. -0.057 min
 Lab File: BM043116.D
 Acq: 01 Dec 2023 10:34

Instrument :
 BNA_M
 ClientSampleId :
 C0AA5

Tgt Ion:276 Resp: 56328
 Ion Ratio Lower Upper
 276 100
 138 16.3 17.8 26.8#
 277 24.5 23.8 35.8

