

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
 Data File : BM043026.D
 Acq On : 25 Nov 2023 21:03
 Operator : MA/JU
 Sample : PB157276BS
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4136

Quant Time: Nov 27 02:44:51 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 : Mon Nov 27 02:36:19 2023
 Response via : Initial Calibration

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

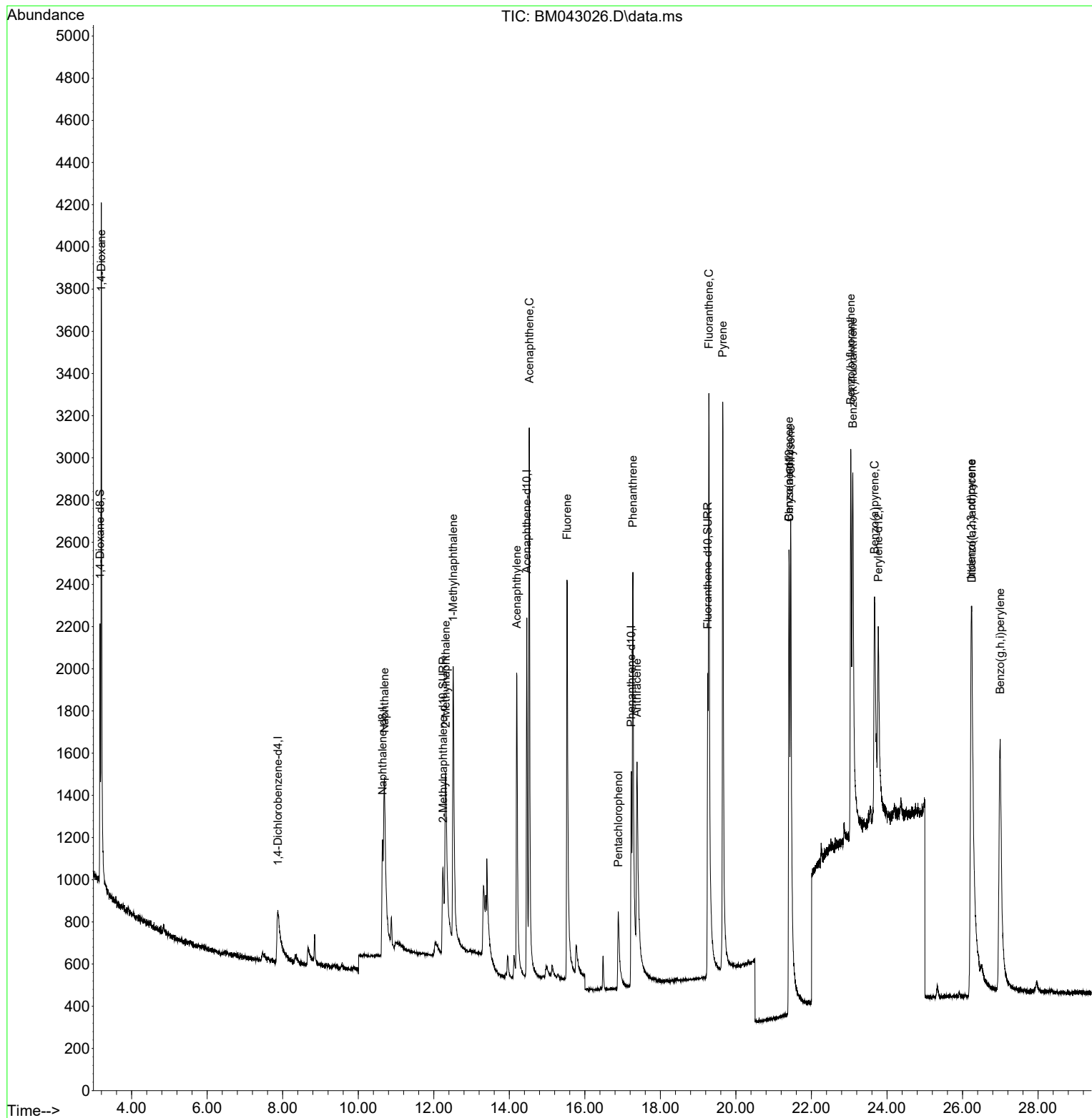
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.872	152	539	0.400	ng/ul	0.00
4) Naphthalene-d8	10.644	136	1870	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.464	164	1148	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.229	188	2400	0.400	ng/ul	0.00
17) Chrysene-d12	21.412	240	1391	0.400	ng/ul	-0.01
23) Perylene-d12	23.768	264	1742	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.164	96	827	1.000	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.244	152	1350	0.540	ng/ul	0.00
18) Fluoranthene-d10	19.256	212	2614	0.516	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.197	88	2332	2.626	ng/ul#	84
5) Naphthalene	10.693	128	2305	0.454	ng/ul	97
7) 2-Methylnaphthalene	12.315	142	1437	0.479	ng/ul	97
8) 1-Methylnaphthalene	12.513	142	1430	0.428	ng/ul	95
10) Acenaphthylene	14.195	152	2644	0.451	ng/ul	97
11) Acenaphthene	14.528	153	2022	0.456	ng/ul	98
12) Fluorene	15.532	166	2138	0.469	ng/ul	98
14) Pentachlorophenol	16.882	266	581	0.894	ng/ul	97
15) Phenanthrene	17.271	178	3051	0.445	ng/ul	99
16) Anthracene	17.381	178	2943	0.454	ng/ul	97
19) Fluoranthene	19.284	202	3692	0.468	ng/ul	98
20) Pyrene	19.651	202	3862	0.461	ng/ul	98
21) Benzo(a)anthracene	21.403	228	2217	0.491	ng/ul	97
22) Chrysene	21.450	228	3744	0.445	ng/ul	99
24) Benzo(b)fluoranthene	23.040	252	2998	0.510	ng/ul	95
25) Benzo(k)fluoranthene	23.095	252	4096	0.506	ng/ul	98
26) Benzo(a)pyrene	23.668	252	3153	0.491	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.229	276	4384	0.505	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.249	278	3455	0.514	ng/ul	93
29) Benzo(g,h,i)perylene	26.997	276	4288	0.508	ng/ul	97

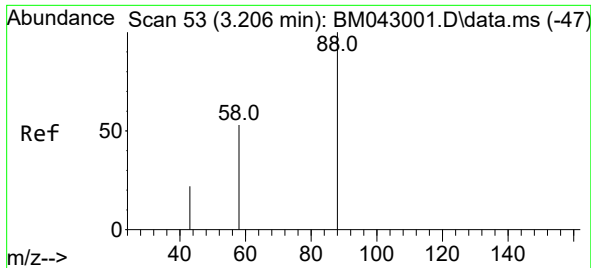
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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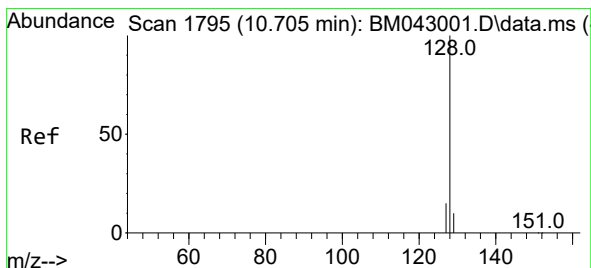
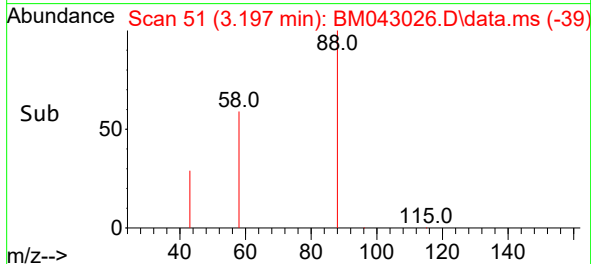
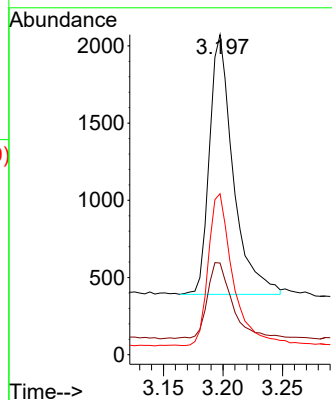
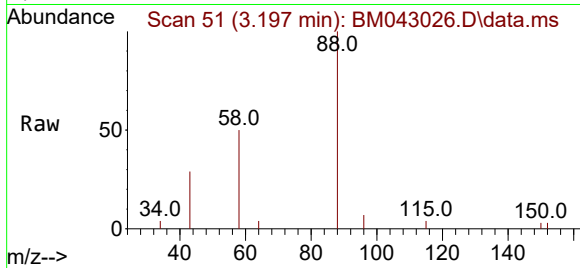




#2
1,4-Dioxane
Concen: 2.626 ng/ul
RT: 3.197 min Scan# 51
Delta R.T. -0.008 min
Lab File: BM043026.D
Acq: 25 Nov 2023 21:03

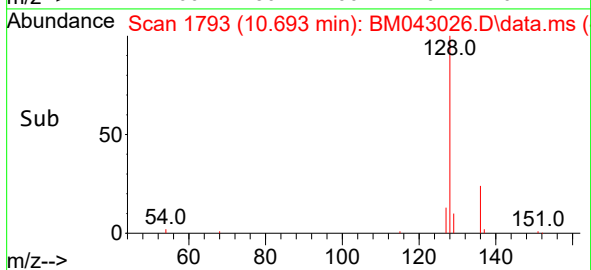
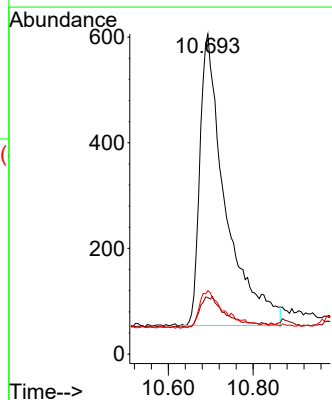
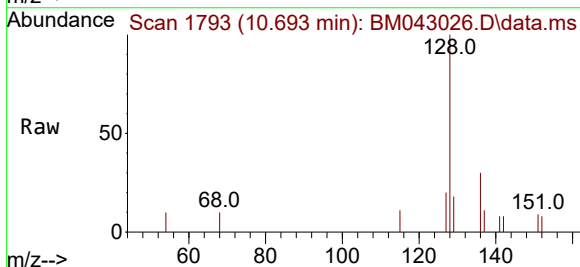
Instrument :
BNA_M
ClientSampleId :
SSTD0.4136

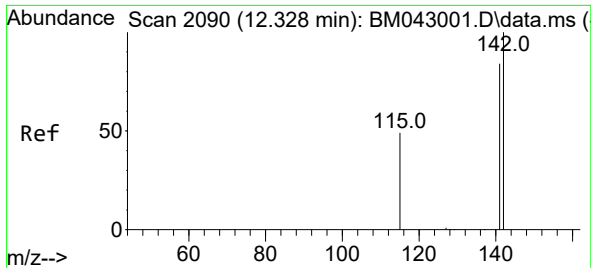
Tgt Ion: 88 Resp: 2332
Ion Ratio Lower Upper
88 100
43 28.7 22.8 34.2
58 50.3 26.8 40.2#



#5
Naphthalene
Concen: 0.454 ng/ul
RT: 10.693 min Scan# 1793
Delta R.T. -0.005 min
Lab File: BM043026.D
Acq: 25 Nov 2023 21:03

Tgt Ion: 128 Resp: 2305
Ion Ratio Lower Upper
128 100
129 17.7 16.0 24.0
127 19.8 16.5 24.7

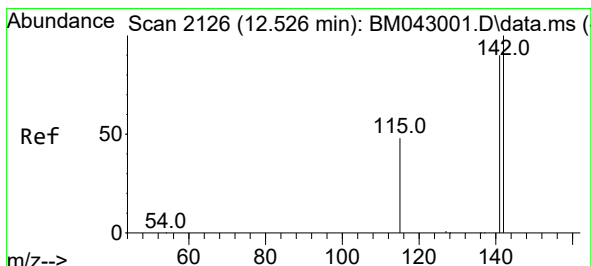
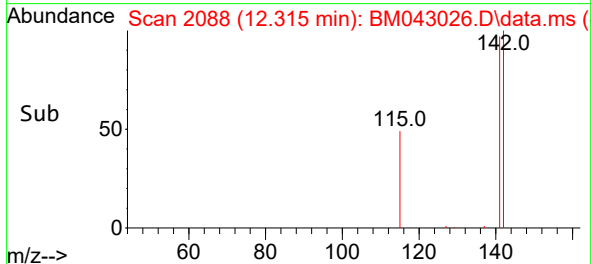
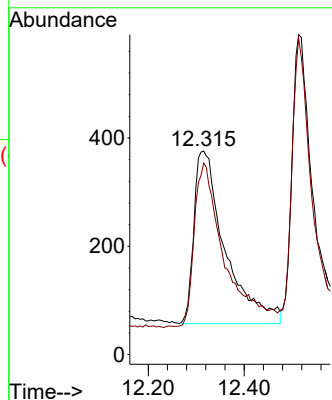
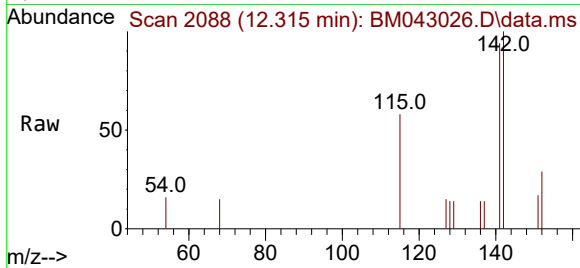




#7
2-Methylnaphthalene
Concen: 0.479 ng/ul
RT: 12.315 min Scan# 2090
Delta R.T. -0.016 min
Lab File: BM043026.D
Acq: 25 Nov 2023 21:03

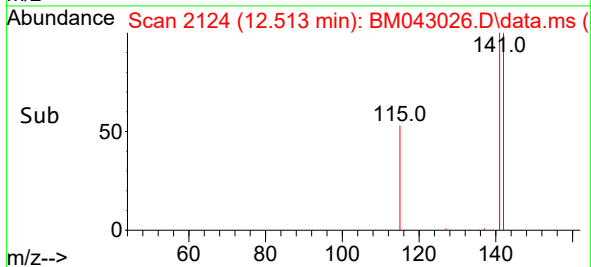
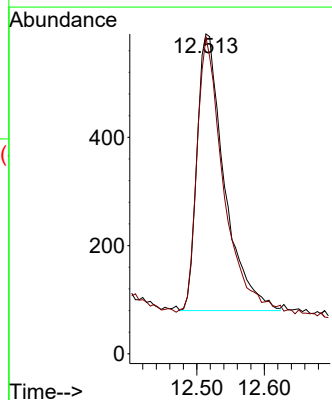
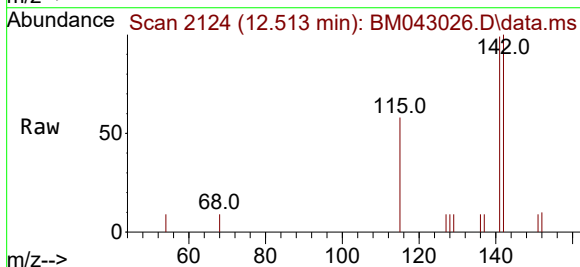
Instrument :
BNA_M
ClientSampleId :
SSTD0.4136

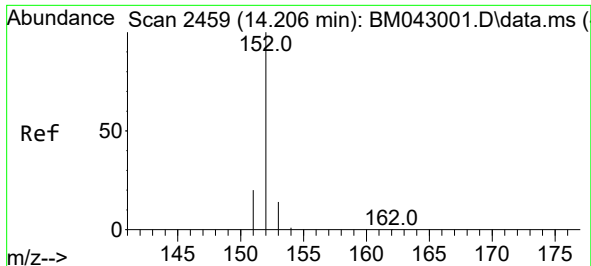
Tgt Ion:142 Resp: 1437
Ion Ratio Lower Upper
142 100
141 91.9 76.1 114.1



#8
1-Methylnaphthalene
Concen: 0.428 ng/ul
RT: 12.513 min Scan# 2124
Delta R.T. -0.005 min
Lab File: BM043026.D
Acq: 25 Nov 2023 21:03

Tgt Ion:142 Resp: 1430
Ion Ratio Lower Upper
142 100
141 96.8 73.8 110.8

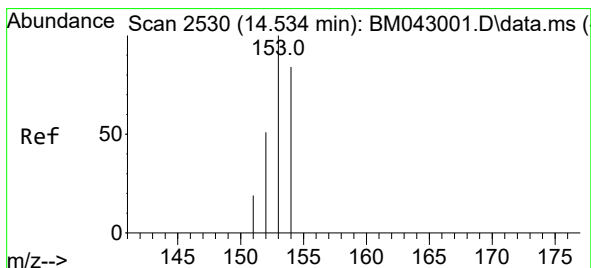
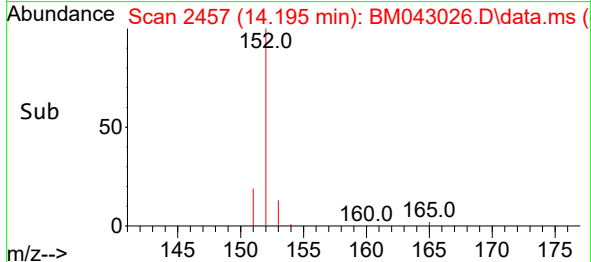
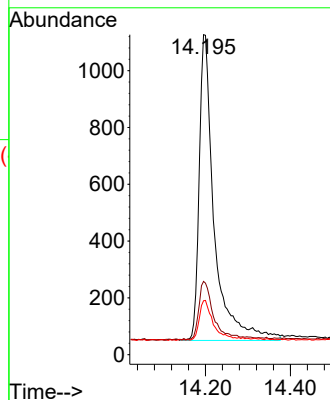
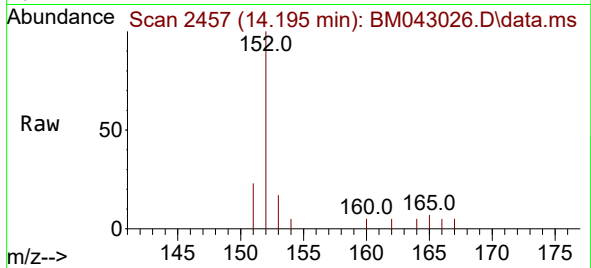




#10
Acenaphthylene
Concen: 0.451 ng/ul
RT: 14.195 min Scan# 2459
Delta R.T. -0.009 min
Lab File: BM043026.D
Acq: 25 Nov 2023 21:03

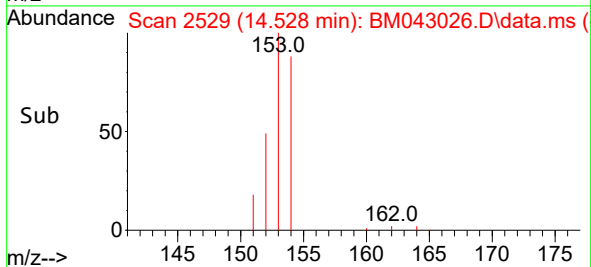
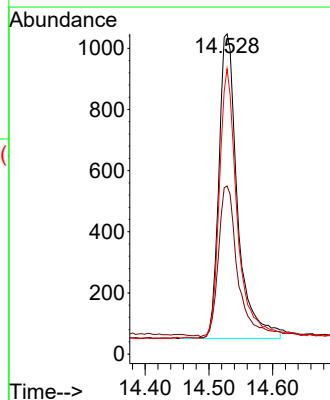
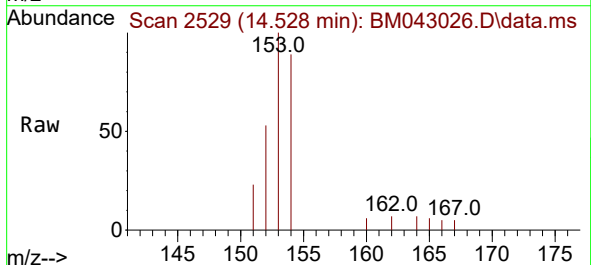
Instrument :
BNA_M
ClientSampleId :
SSTD0.4136

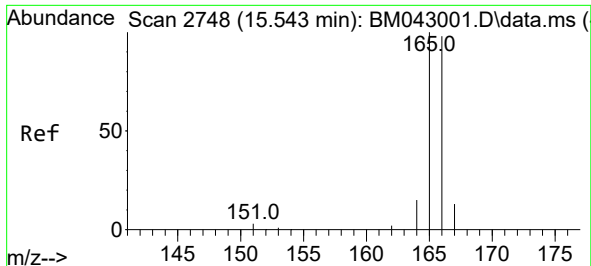
Tgt Ion:152	Resp:	2644
Ion Ratio	Lower	Upper
152	100	
151	22.9	19.4 29.0
153	16.9	14.6 21.8



#11
Acenaphthene
Concen: 0.456 ng/ul
RT: 14.528 min Scan# 2529
Delta R.T. -0.005 min
Lab File: BM043026.D
Acq: 25 Nov 2023 21:03

Tgt Ion:153	Resp:	2022
Ion Ratio	Lower	Upper
153	100	
152	52.5	43.9 65.9
154	89.1	70.6 105.8

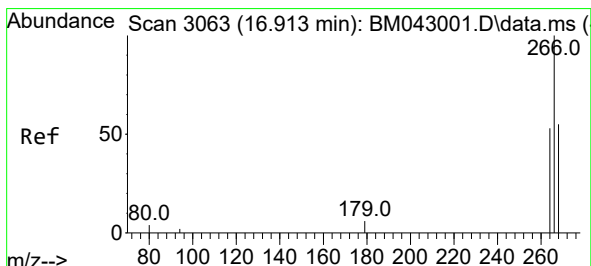
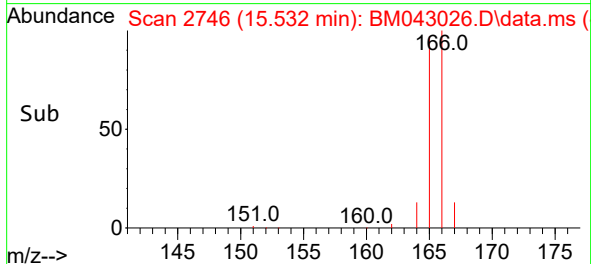
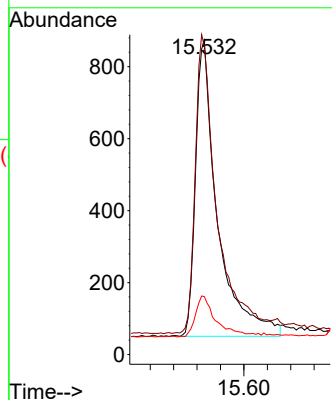
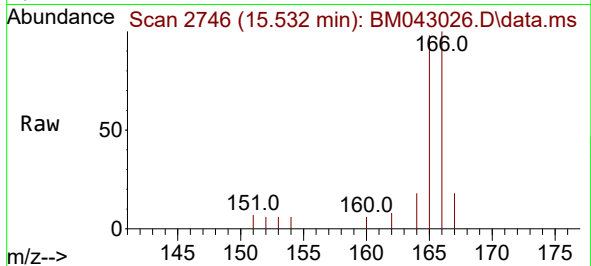




#12
Fluorene
Concen: 0.469 ng/ul
RT: 15.532 min Scan# 2138
Delta R.T. -0.005 min
Lab File: BM043026.D
Acq: 25 Nov 2023 21:03

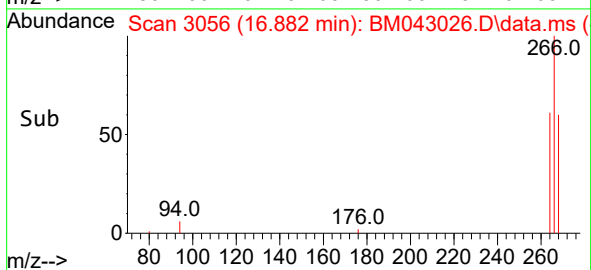
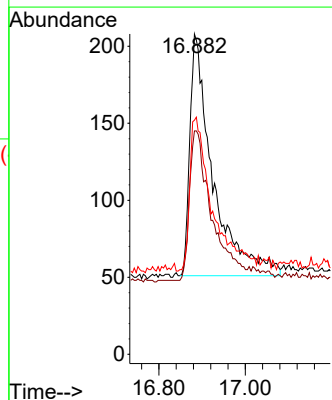
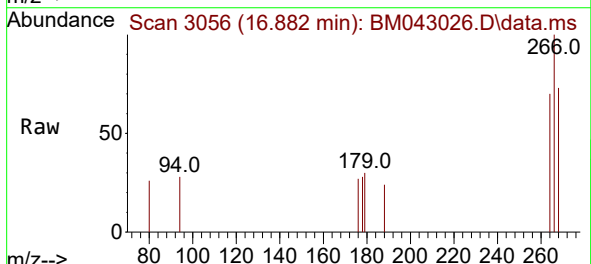
Instrument :
BNA_M
ClientSampleId :
SSTD0.4136

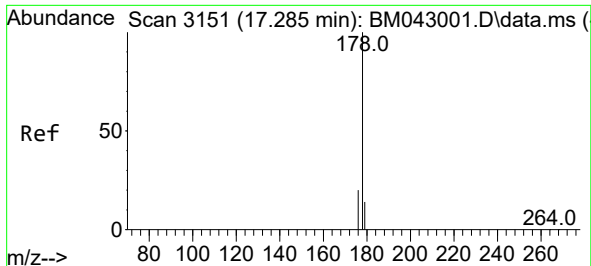
Tgt Ion:166 Resp: 2138
Ion Ratio Lower Upper
166 100
165 98.2 79.9 119.9
167 18.4 14.2 21.4



#14
Pentachlorophenol
Concen: 0.894 ng/ul
RT: 16.882 min Scan# 3056
Delta R.T. -0.029 min
Lab File: BM043026.D
Acq: 25 Nov 2023 21:03

Tgt Ion:266 Resp: 581
Ion Ratio Lower Upper
266 100
264 63.7 48.8 73.2
268 63.2 51.8 77.6

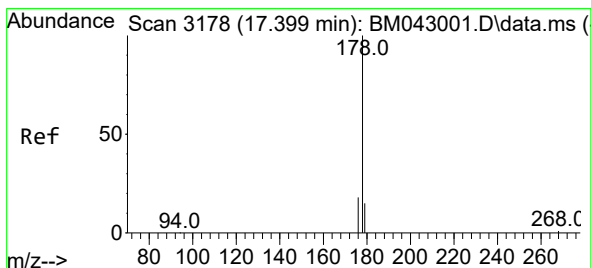
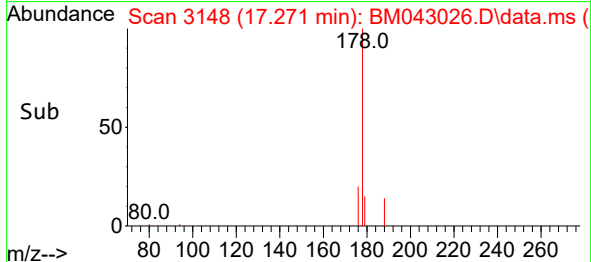
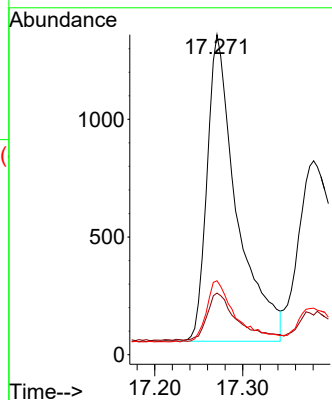
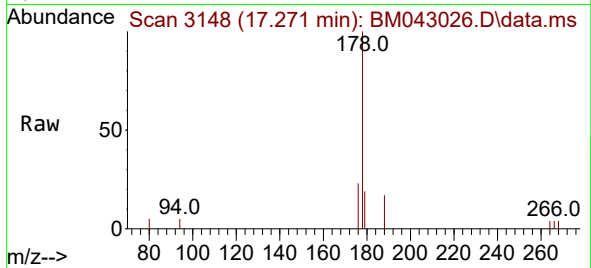




#15
Phenanthrene
Concen: 0.445 ng/ul
RT: 17.271 min Scan# 3151
Delta R.T. -0.008 min
Lab File: BM043026.D
Acq: 25 Nov 2023 21:03

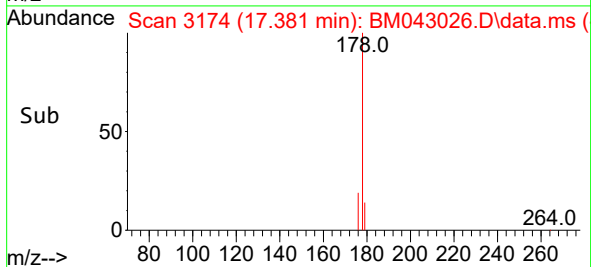
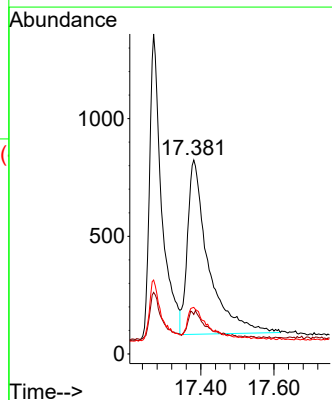
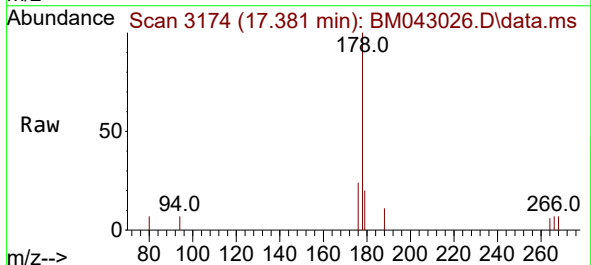
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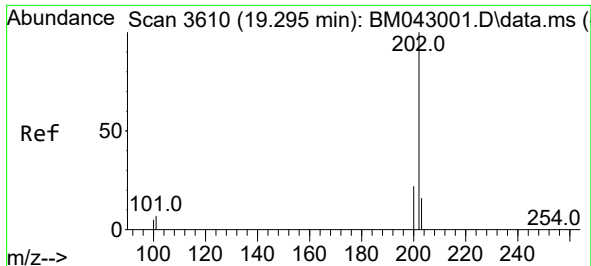
Tgt Ion:178 Resp: 3051
Ion Ratio Lower Upper
178 100
179 19.3 15.7 23.5
176 23.1 18.9 28.3



#16
Anthracene
Concen: 0.454 ng/ul
RT: 17.381 min Scan# 3174
Delta R.T. -0.013 min
Lab File: BM043026.D
Acq: 25 Nov 2023 21:03

Tgt Ion:178 Resp: 2943
Ion Ratio Lower Upper
178 100
179 20.4 17.3 25.9
176 24.0 20.5 30.7

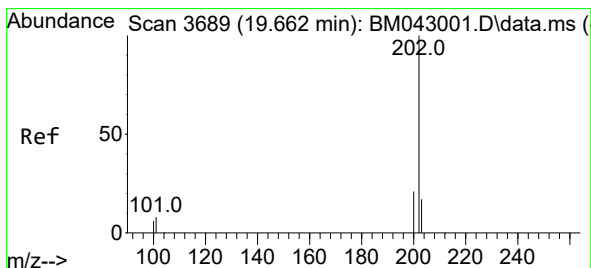
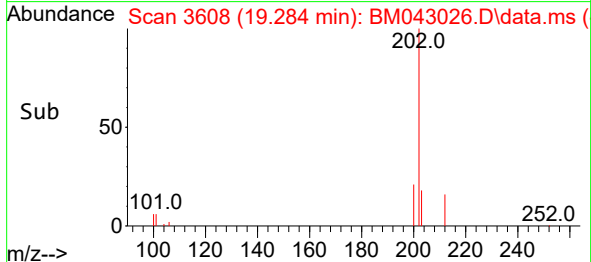
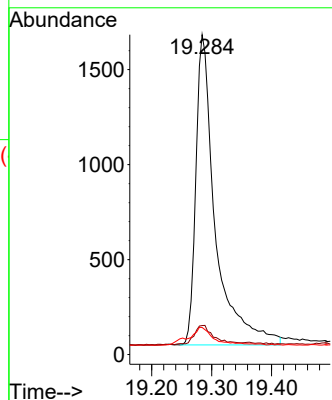
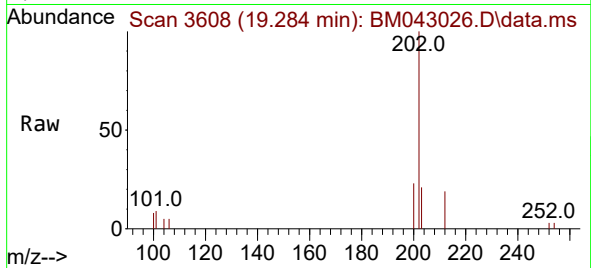




#19
Fluoranthene
Concen: 0.468 ng/ul
RT: 19.284 min Scan# 3608
Delta R.T. -0.009 min
Lab File: BM043026.D
Acq: 25 Nov 2023 21:03

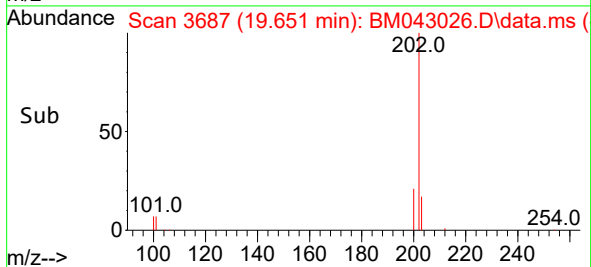
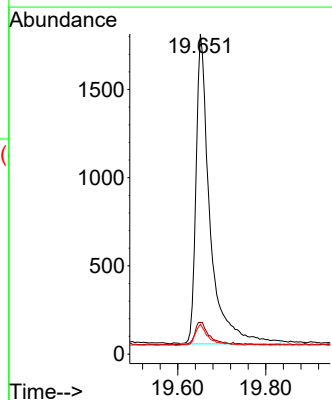
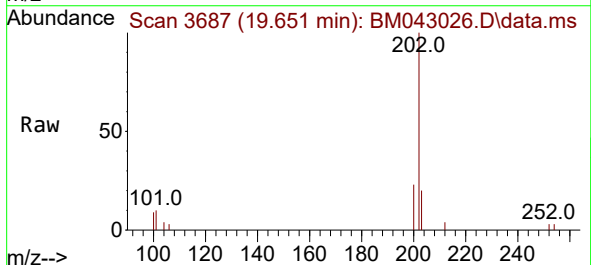
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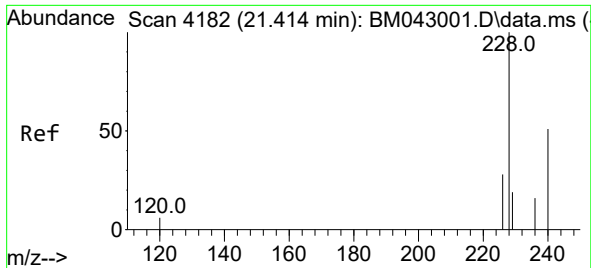
Tgt Ion:202 Resp: 3692
Ion Ratio Lower Upper
202 100
101 9.1 7.8 11.8
100 8.5 7.1 10.7



#20
Pyrene
Concen: 0.461 ng/ul
RT: 19.651 min Scan# 3687
Delta R.T. -0.009 min
Lab File: BM043026.D
Acq: 25 Nov 2023 21:03

Tgt Ion:202 Resp: 3862
Ion Ratio Lower Upper
202 100
101 9.9 8.7 13.1
100 9.3 7.8 11.8

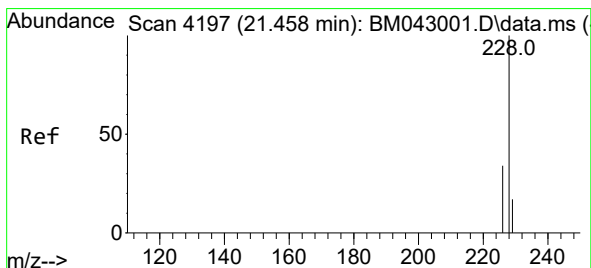
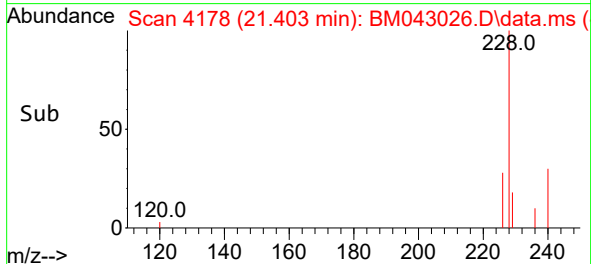
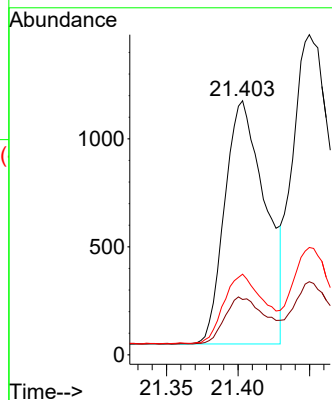
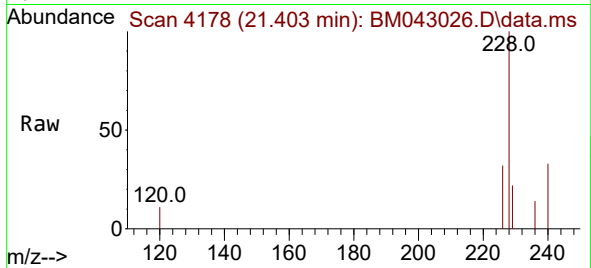




#21
Benzo(a)anthracene
Concen: 0.491 ng/ul
RT: 21.403 min Scan# 4182
Delta R.T. -0.009 min
Lab File: BM043026.D
Acq: 25 Nov 2023 21:03

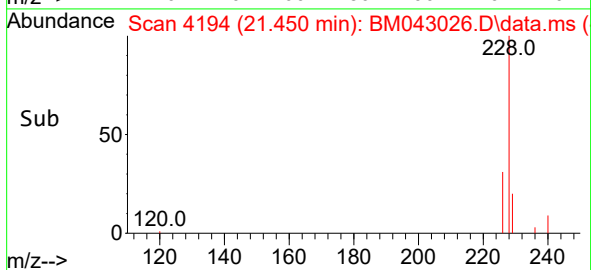
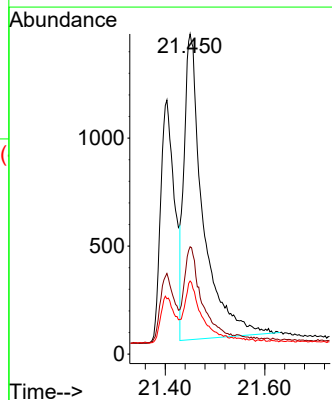
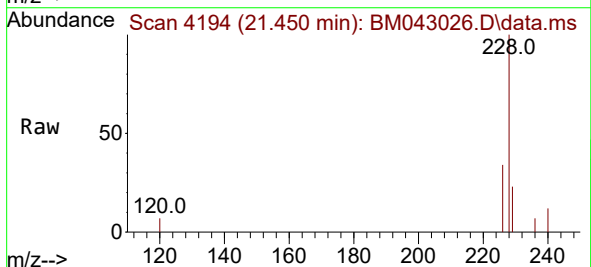
Instrument :
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SSTD0.4136

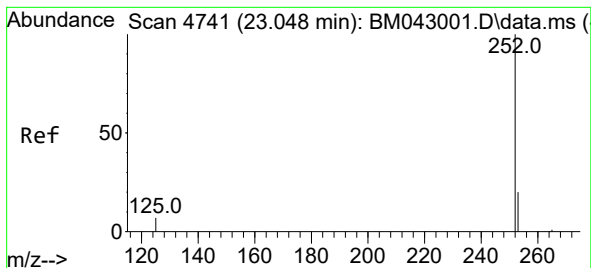
Tgt Ion:228 Resp: 2217
Ion Ratio Lower Upper
228 100
229 21.8 19.4 29.0
226 31.7 24.9 37.3



#22
Chrysene
Concen: 0.445 ng/ul
RT: 21.450 min Scan# 4194
Delta R.T. -0.009 min
Lab File: BM043026.D
Acq: 25 Nov 2023 21:03

Tgt Ion:228 Resp: 3744
Ion Ratio Lower Upper
228 100
226 33.5 27.2 40.8
229 22.8 18.0 27.0





#24

Benzo(b)fluoranthene

Concen: 0.510 ng/ul

RT: 23.040 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM043026.D

Acq: 25 Nov 2023 21:03

Instrument :

BNA_M

ClientSampleId :

SSTD0.4136

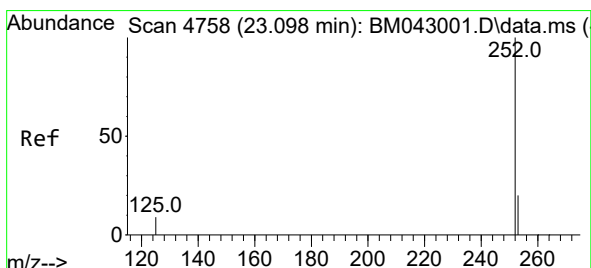
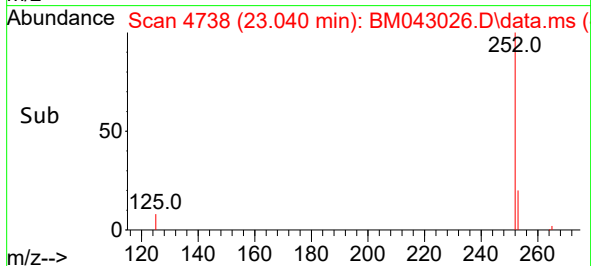
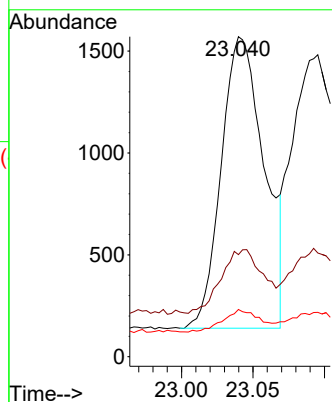
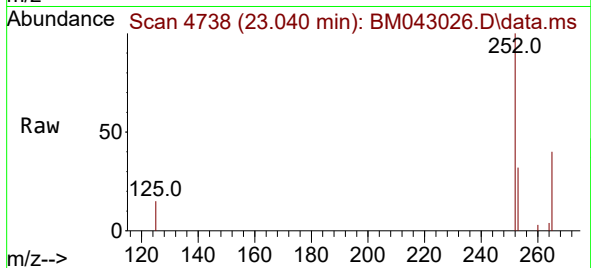
Tgt Ion:252 Resp: 2998

Ion Ratio Lower Upper

252 100

253 31.9 0.0 71.8

125 14.8 0.0 29.0



#25

Benzo(k)fluoranthene

Concen: 0.506 ng/ul

RT: 23.095 min Scan# 4757

Delta R.T. -0.003 min

Lab File: BM043026.D

Acq: 25 Nov 2023 21:03

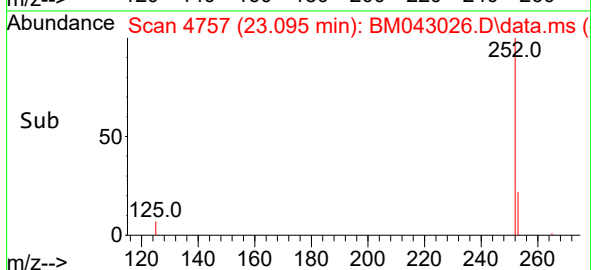
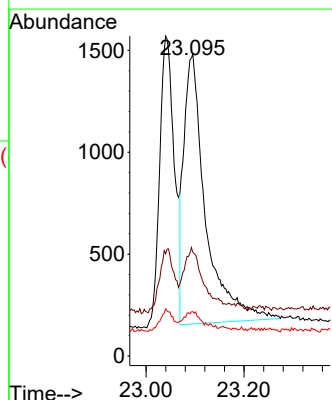
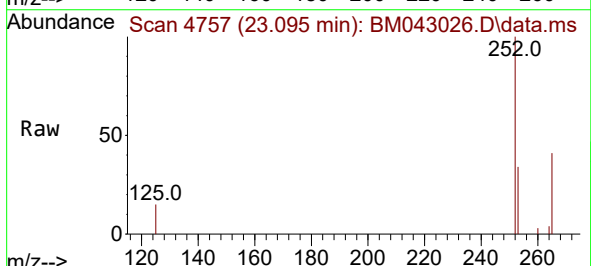
Tgt Ion:252 Resp: 4096

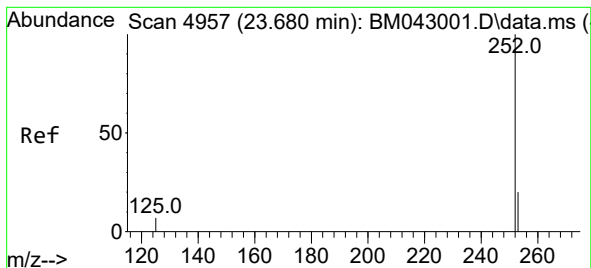
Ion Ratio Lower Upper

252 100

253 34.3 28.2 42.2

125 14.7 11.0 16.6

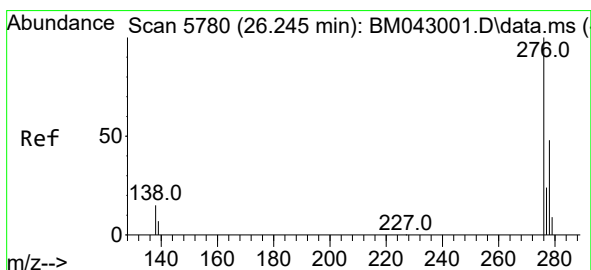
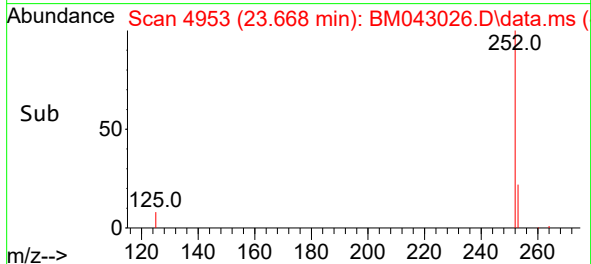
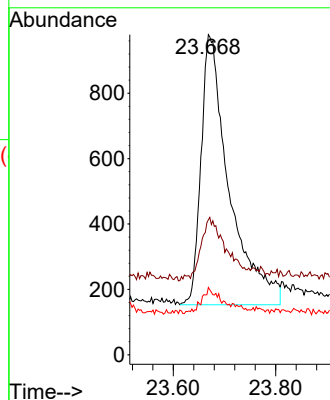
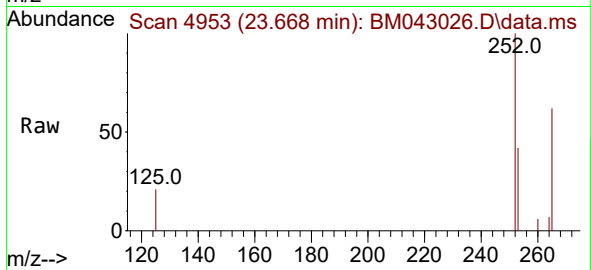




#26
Benzo(a)pyrene
Concen: 0.491 ng/ul
RT: 23.668 min Scan# 4953
Delta R.T. -0.017 min
Lab File: BM043026.D
Acq: 25 Nov 2023 21:03

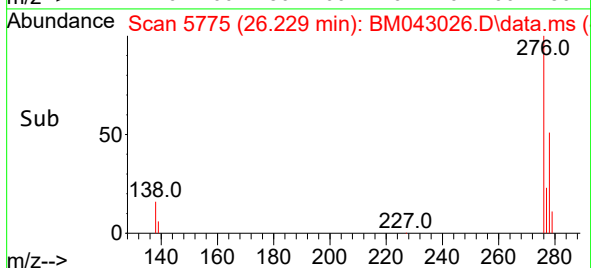
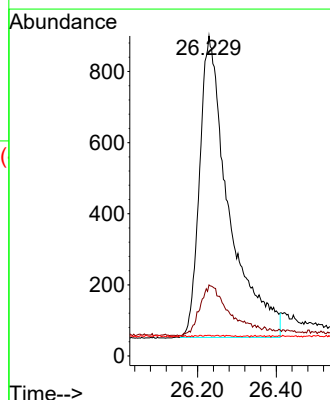
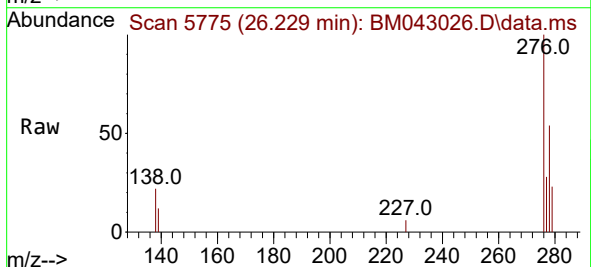
Instrument :
BNA_M
ClientSampleId :
SSTD0.4136

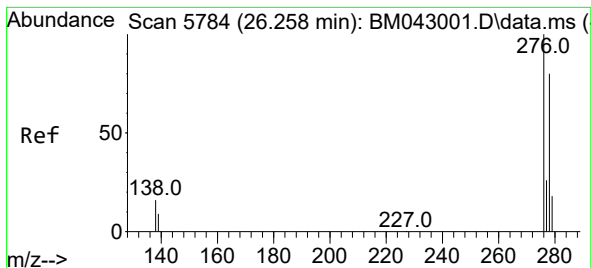
Tgt Ion:252 Resp: 3153
Ion Ratio Lower Upper
252 100
253 42.2 36.6 55.0
125 21.0 16.2 24.4



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.505 ng/ul
RT: 26.229 min Scan# 5775
Delta R.T. -0.010 min
Lab File: BM043026.D
Acq: 25 Nov 2023 21:03

Tgt Ion:276 Resp: 4384
Ion Ratio Lower Upper
276 100
138 17.2 0.0 0.0#
227 0.1 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.514 ng/ul

RT: 26.249 min Scan# 51

Delta R.T. -0.027 min

Lab File: BM043026.D

Acq: 25 Nov 2023 21:03

Instrument :

BNA_M

ClientSampleId :

SSTD0.4136

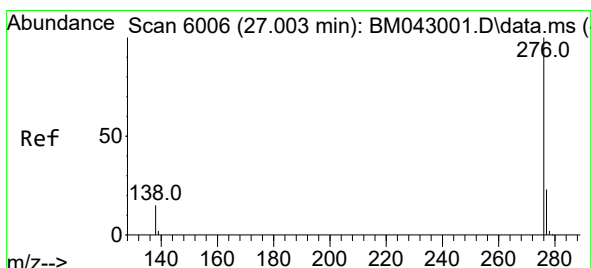
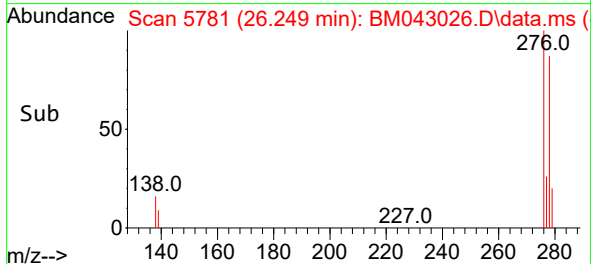
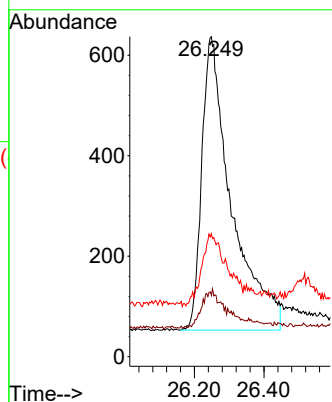
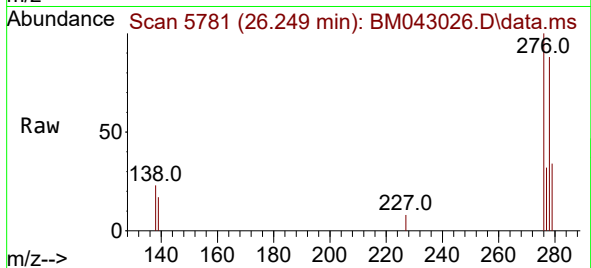
Tgt Ion:278 Resp: 3455

Ion Ratio Lower Upper

278 100

139 19.2 18.1 27.1

279 38.5 34.4 51.6



#29

Benzo(g,h,i)perylene

Concen: 0.508 ng/ul

RT: 26.997 min Scan# 6004

Delta R.T. -0.013 min

Lab File: BM043026.D

Acq: 25 Nov 2023 21:03

Tgt Ion:276 Resp: 4288

Ion Ratio Lower Upper

276 100

138 20.5 17.8 26.8

277 28.6 23.8 35.8

