

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040424\
 Data File : BM044900.D
 Acq On : 03 Apr 2024 20:39
 Operator : MA/JU
 Sample : SSTD1.619
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

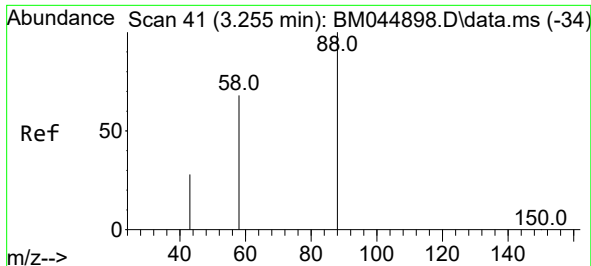
Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.6026

Quant Time: Apr 03 23:27:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM040424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 03 23:24:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	2034	0.400	ng/ul	0.00
4) Naphthalene-d8	10.429	136	6008	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.298	164	3271	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.061	188	6936	0.400	ng/ul	0.00
17) Chrysene-d12	21.265	240	6580	0.400	ng/ul	0.00
23) Perylene-d12	23.504	264	7860	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.222	96	3914	1.468	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.030	152	13061	1.513	ng/ul	-0.02
18) Fluoranthene-d10	19.095	212	26764	1.159	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.251	88	4092	1.502	ng/ul#	80
5) Naphthalene	10.479	128	24813	1.468	ng/ul#	95
7) 2-Methylnaphthalene	12.101	142	15578	1.457	ng/ul	98
8) 1-Methylnaphthalene	12.321	142	16660	1.542	ng/ul	100
10) Acenaphthylene	14.016	152	24816	1.493	ng/ul	97
11) Acenaphthene	14.363	153	17998	1.500	ng/ul	99
12) Fluorene	15.358	166	20098	1.466	ng/ul	99
14) Pentachlorophenol	16.719	266	2609	1.559	ng/ul	98
15) Phenanthrene	17.099	178	30923	1.485	ng/ul	97
16) Anthracene	17.196	178	29997	1.534	ng/ul	97
19) Fluoranthene	19.127	202	36852	1.144	ng/ul	98
20) Pyrene	19.494	202	38179	1.157	ng/ul	100
21) Benzo(a)anthracene	21.251	228	36882	1.472	ng/ul	99
22) Chrysene	21.303	228	40011	1.422	ng/ul	99
24) Benzo(b)fluoranthene	22.826	252	42673	1.422	ng/ul	89
25) Benzo(k)fluoranthene	22.872	252	47062	1.448	ng/ul#	91
26) Benzo(a)pyrene	23.402	252	41048	1.507	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	25.742	276	57625	1.839	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.765	278	45785	1.894	ng/ul	95
29) Benzo(g,h,i)perylene	26.426	276	48594	1.766	ng/ul	99

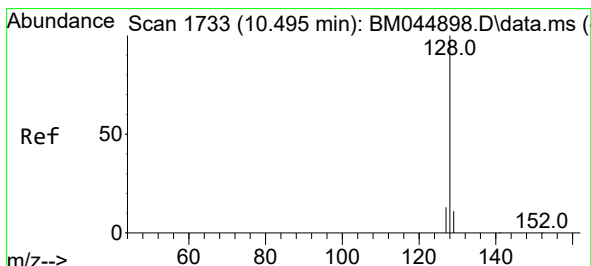
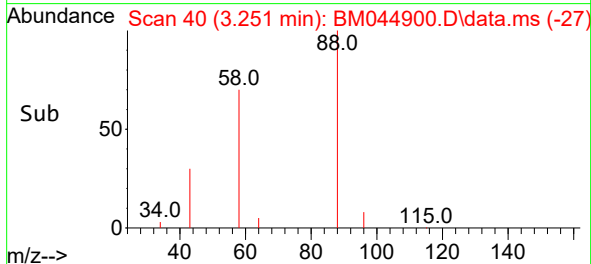
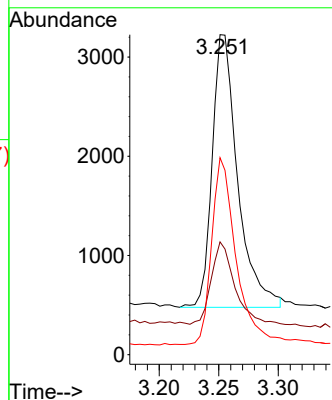
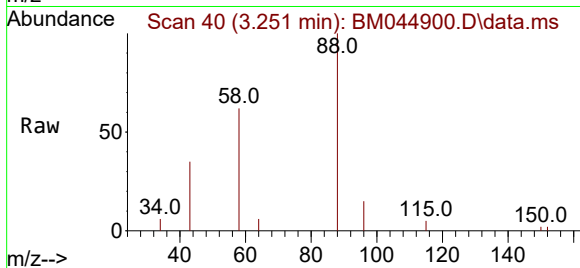
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 1.502 ng/ul
RT: 3.251 min Scan# 40
Delta R.T. -0.004 min
Lab File: BM044900.D
Acq: 03 Apr 2024 20:39

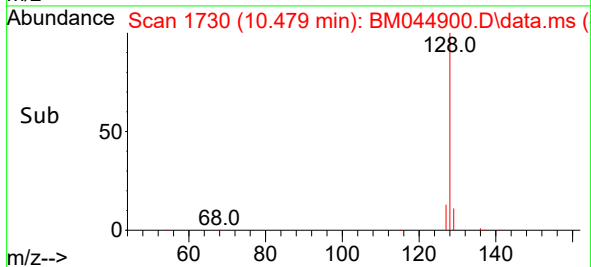
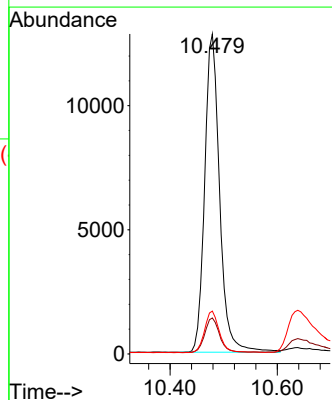
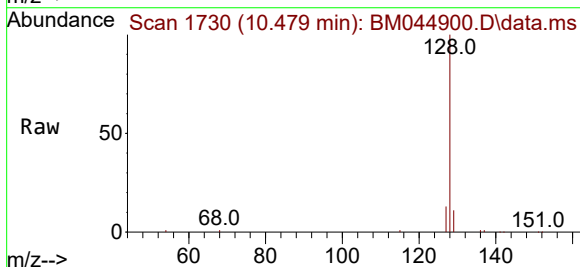
Instrument :
BNA_M
ClientSampleId :
SSTD1.6026

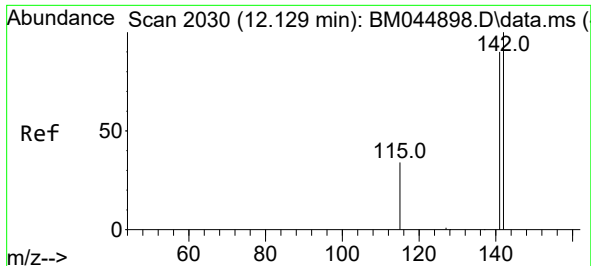
Tgt Ion: 88 Resp: 4092
Ion Ratio Lower Upper
88 100
43 35.2 30.6 46.0
58 61.6 32.6 48.8#



#5
Naphthalene
Concen: 1.468 ng/ul
RT: 10.479 min Scan# 1730
Delta R.T. -0.017 min
Lab File: BM044900.D
Acq: 03 Apr 2024 20:39

Tgt Ion: 128 Resp: 24813
Ion Ratio Lower Upper
128 100
129 11.2 11.3 16.9#
127 13.4 11.9 17.9

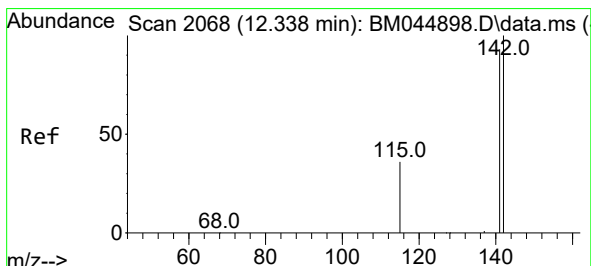
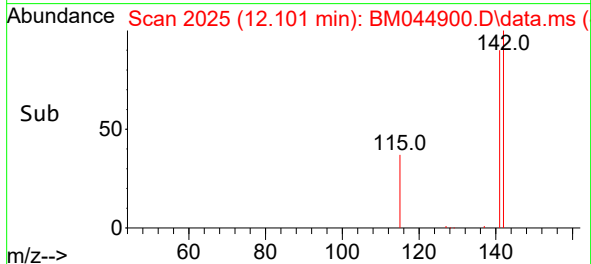
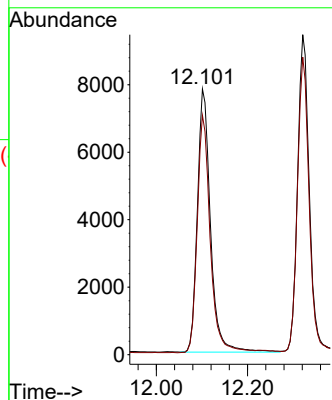
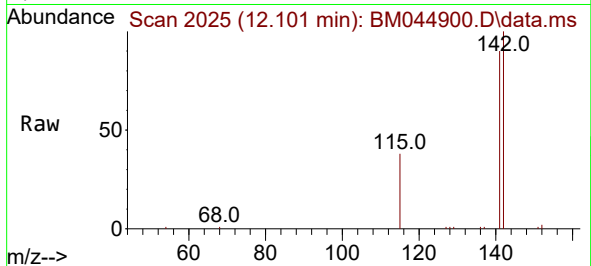




#7
2-Methylnaphthalene
Concen: 1.457 ng/ul
RT: 12.101 min Scan# 2025
Delta R.T. -0.028 min
Lab File: BM044900.D
Acq: 03 Apr 2024 20:39

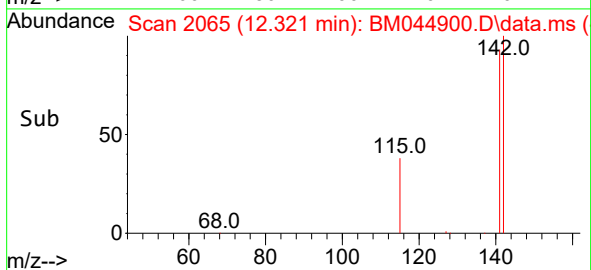
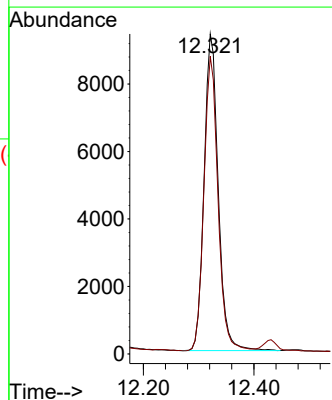
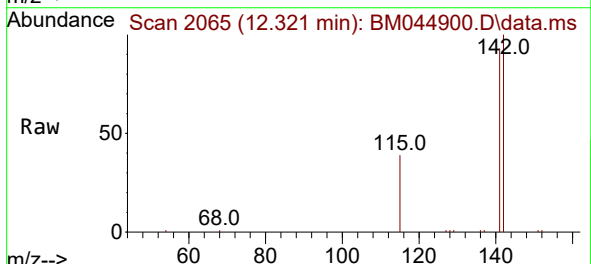
Instrument :
BNA_M
ClientSampleId :
SSTD1.6026

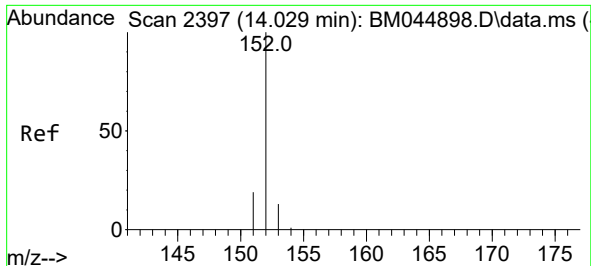
Tgt Ion:142 Resp: 15578
Ion Ratio Lower Upper
142 100
141 90.7 73.8 110.8



#8
1-Methylnaphthalene
Concen: 1.542 ng/ul
RT: 12.321 min Scan# 2065
Delta R.T. -0.017 min
Lab File: BM044900.D
Acq: 03 Apr 2024 20:39

Tgt Ion:142 Resp: 16660
Ion Ratio Lower Upper
142 100
141 92.6 74.2 111.2

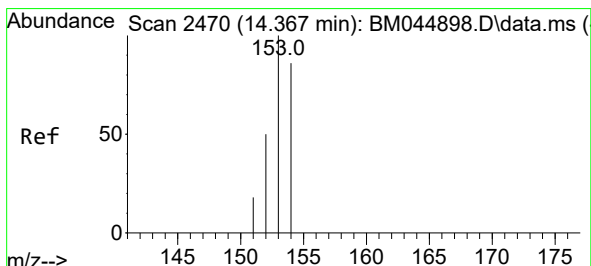
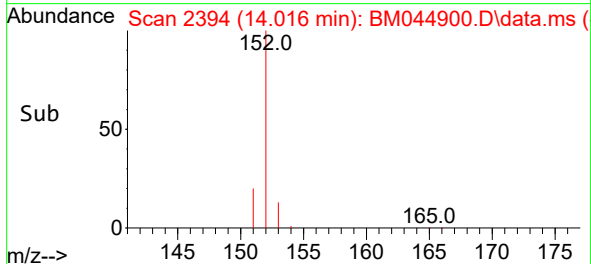
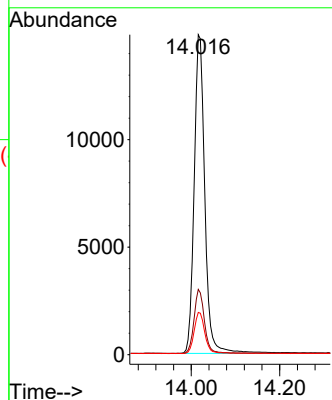
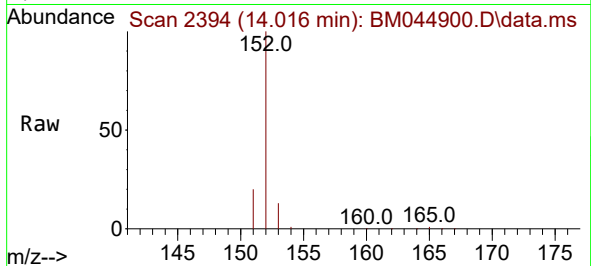




#10
Acenaphthylene
Concen: 1.493 ng/ul
RT: 14.016 min Scan# 21
Delta R.T. -0.013 min
Lab File: BM044900.D
Acq: 03 Apr 2024 20:39

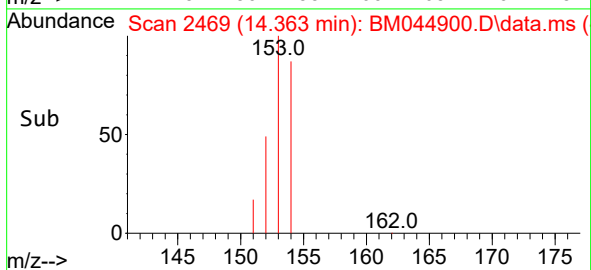
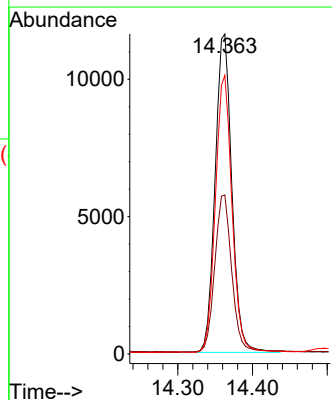
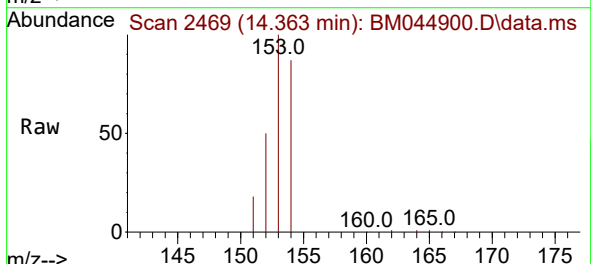
Instrument :
BNA_M
ClientSampleId :
SSTD1.6026

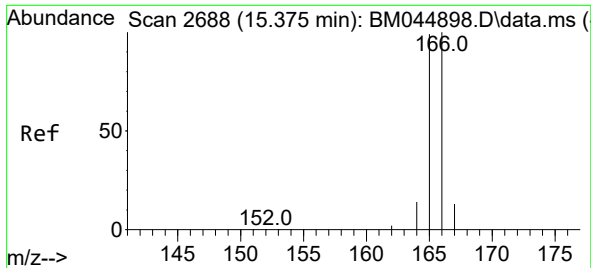
Tgt Ion:152 Resp: 24816
Ion Ratio Lower Upper
152 100
151 20.4 17.0 25.4
153 13.2 11.9 17.9



#11
Acenaphthene
Concen: 1.500 ng/ul
RT: 14.363 min Scan# 2469
Delta R.T. -0.004 min
Lab File: BM044900.D
Acq: 03 Apr 2024 20:39

Tgt Ion:153 Resp: 17998
Ion Ratio Lower Upper
153 100
152 49.7 41.2 61.8
154 87.1 69.4 104.0

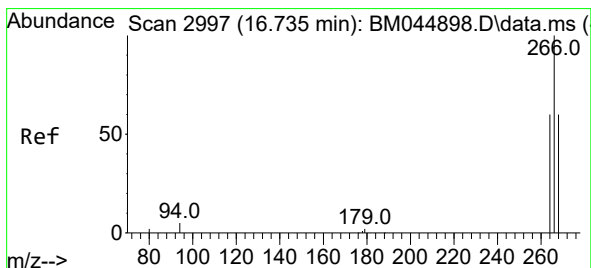
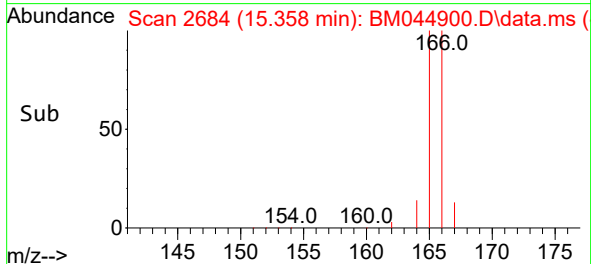
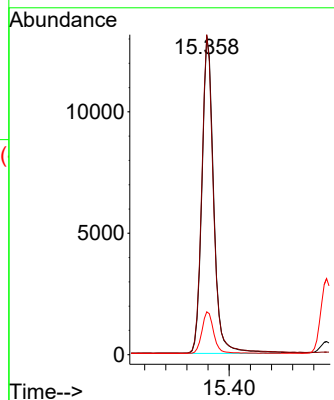
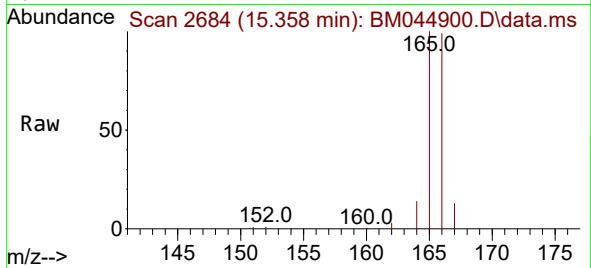




#12
Fluorene
Concen: 1.466 ng/ul
RT: 15.358 min Scan# 20098
Delta R.T. -0.018 min
Lab File: BM044900.D
Acq: 03 Apr 2024 20:39

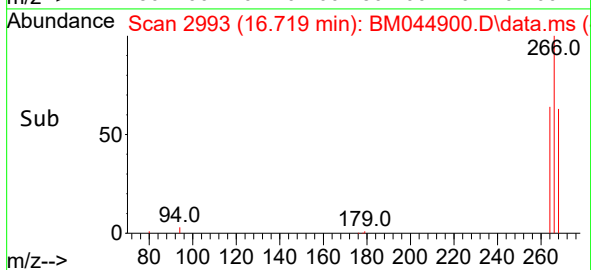
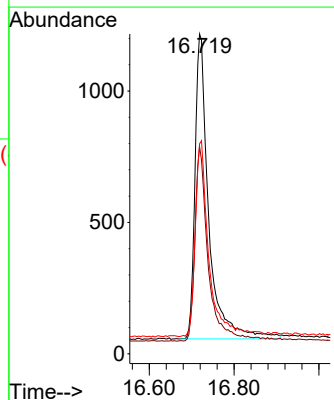
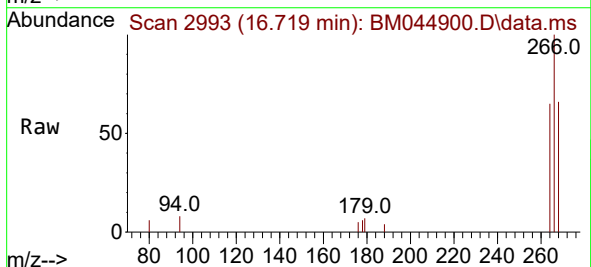
Instrument :
BNA_M
ClientSampleId :
SSTD1.6026

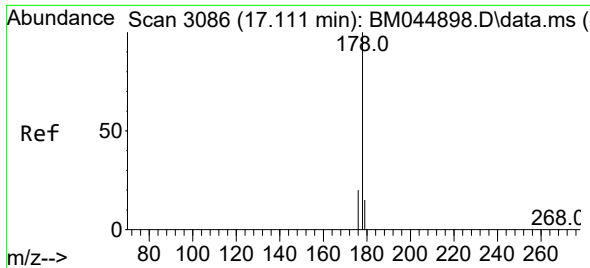
Tgt Ion:	166	Resp:	20098
Ion Ratio	Lower	Upper	
166	100		
165	100.5	79.9	119.9
167	13.5	12.2	18.2



#14
Pentachlorophenol
Concen: 1.559 ng/ul
RT: 16.719 min Scan# 2993
Delta R.T. -0.016 min
Lab File: BM044900.D
Acq: 03 Apr 2024 20:39

Tgt Ion:	266	Resp:	2609
Ion Ratio	Lower	Upper	
266	100		
264	62.5	48.3	72.5
268	64.1	52.6	79.0

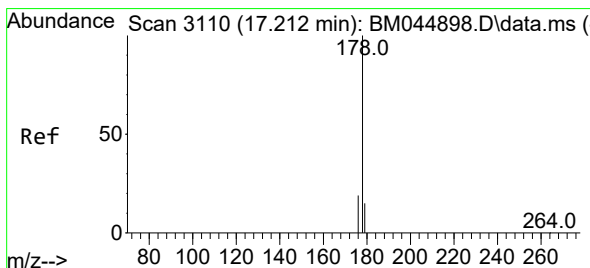
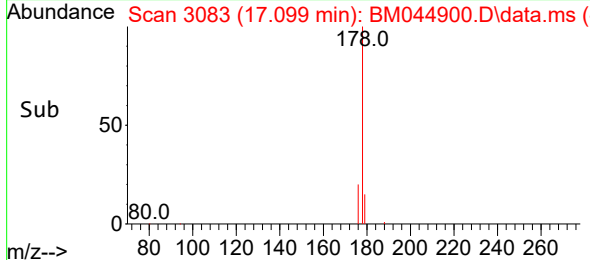
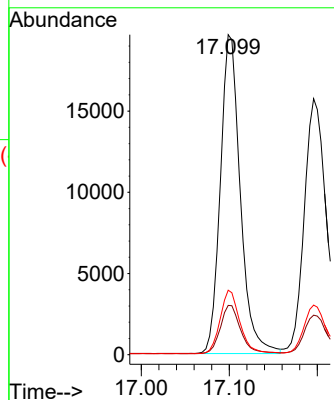
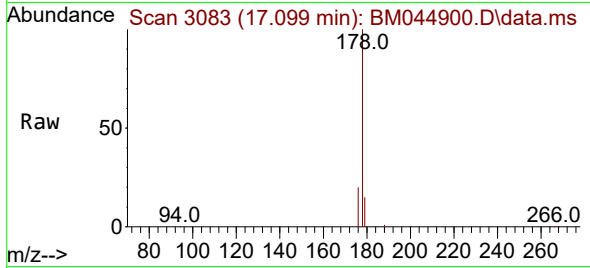




#15
Phenanthrene
Concen: 1.485 ng/ul
RT: 17.099 min Scan# 3083
Delta R.T. -0.012 min
Lab File: BM044900.D
Acq: 03 Apr 2024 20:39

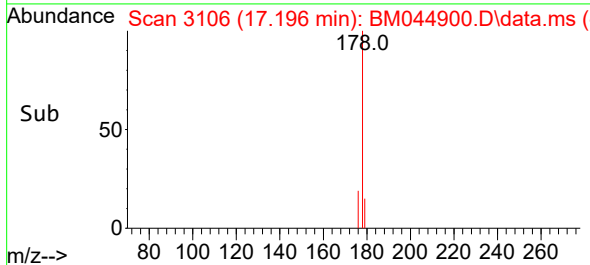
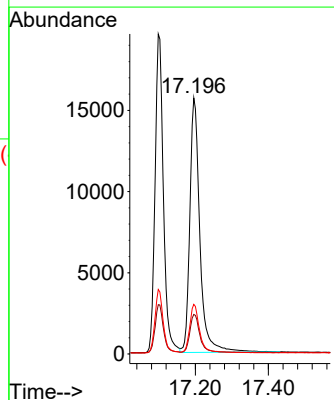
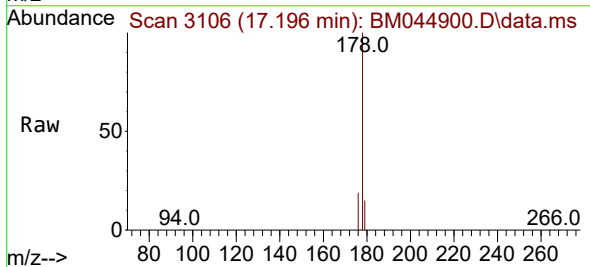
Instrument :
BNA_M
ClientSampleId :
SSTD1.6026

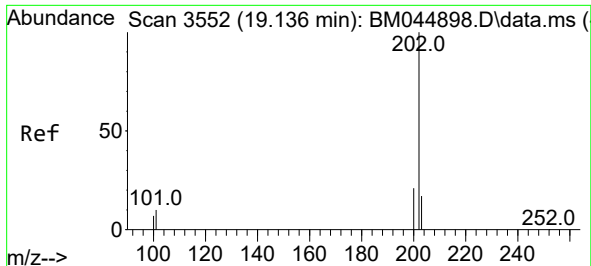
Tgt Ion:178 Resp: 30923
Ion Ratio Lower Upper
178 100
179 15.4 13.7 20.5
176 20.2 17.0 25.4



#16
Anthracene
Concen: 1.534 ng/ul
RT: 17.196 min Scan# 3106
Delta R.T. -0.016 min
Lab File: BM044900.D
Acq: 03 Apr 2024 20:39

Tgt Ion:178 Resp: 29997
Ion Ratio Lower Upper
178 100
179 15.4 13.8 20.8
176 19.4 16.2 24.4

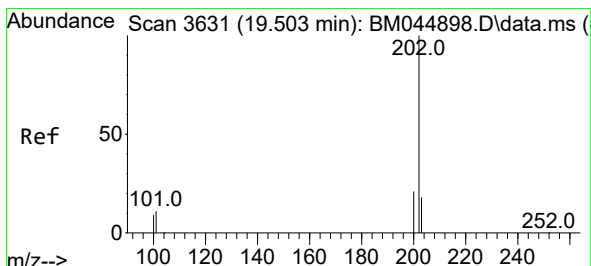
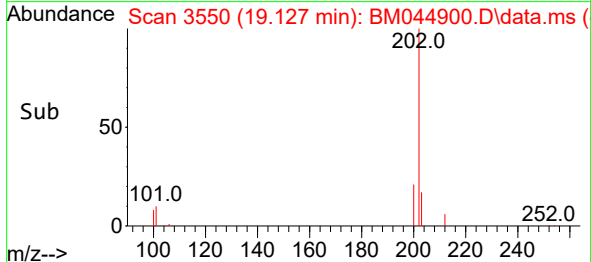
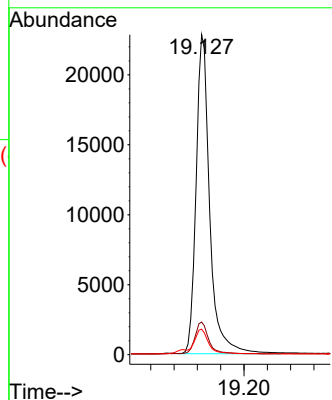
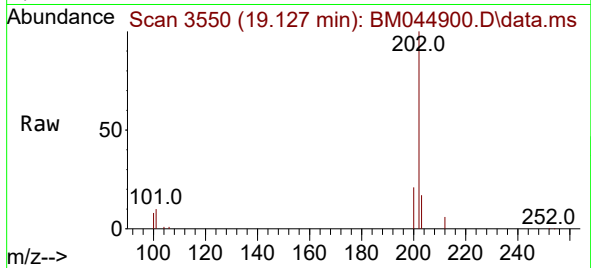




#19
Fluoranthene
Concen: 1.144 ng/ul
RT: 19.127 min Scan# 3550
Delta R.T. -0.009 min
Lab File: BM044900.D
Acq: 03 Apr 2024 20:39

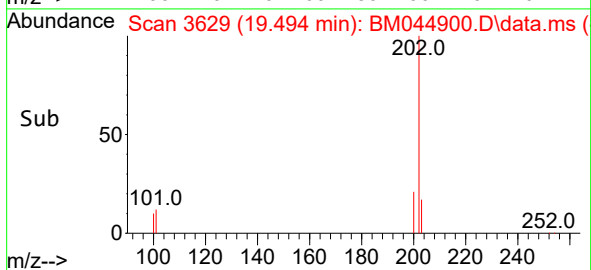
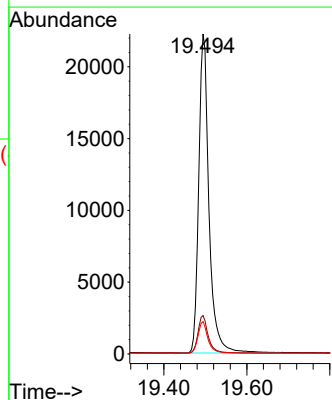
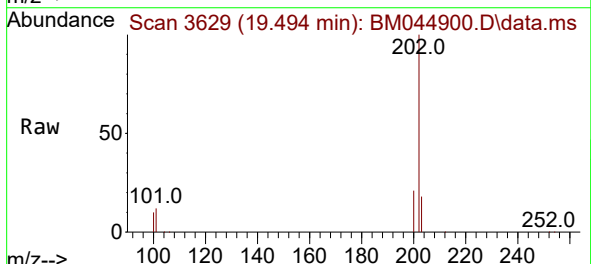
Instrument :
BNA_M
ClientSampleId :
SSTD1.6026

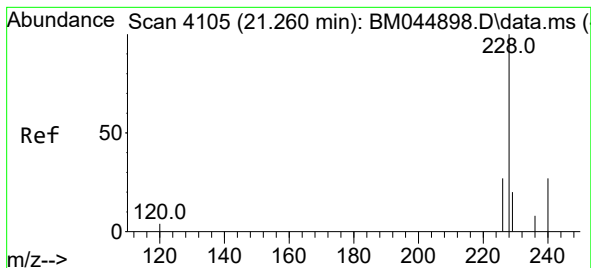
Tgt Ion:202 Resp: 36852
Ion Ratio Lower Upper
202 100
101 10.2 8.8 13.2
100 8.0 7.0 10.4



#20
Pyrene
Concen: 1.157 ng/ul
RT: 19.494 min Scan# 3629
Delta R.T. -0.009 min
Lab File: BM044900.D
Acq: 03 Apr 2024 20:39

Tgt Ion:202 Resp: 38179
Ion Ratio Lower Upper
202 100
101 12.0 9.8 14.6
100 10.1 8.1 12.1





#21

Benzo(a)anthracene

Concen: 1.472 ng/ul

RT: 21.251 min Scan# 4105

Delta R.T. -0.010 min

Lab File: BM044900.D

Acq: 03 Apr 2024 20:39

Instrument :

BNA_M

ClientSampleId :

SSTD1.6026

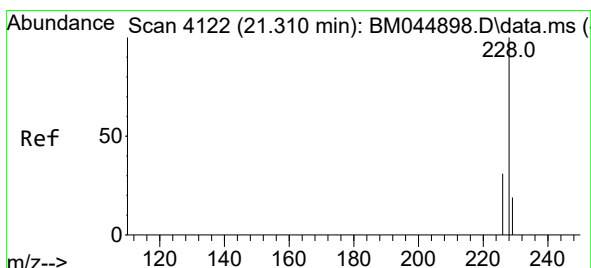
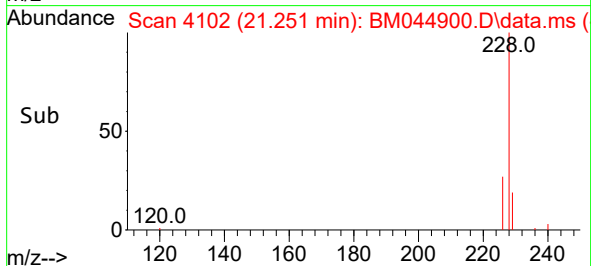
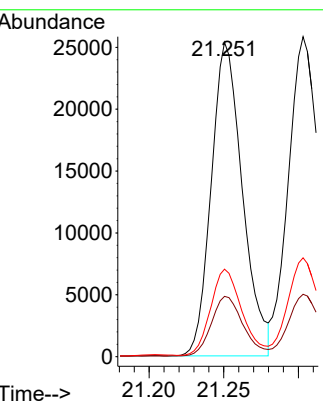
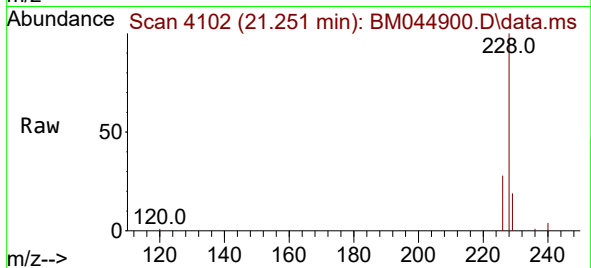
Tgt Ion:228 Resp: 36882

Ion Ratio Lower Upper

228 100

229 19.2 16.4 24.6

226 27.8 22.3 33.5



#22

Chrysene

Concen: 1.422 ng/ul

RT: 21.303 min Scan# 4120

Delta R.T. -0.007 min

Lab File: BM044900.D

Acq: 03 Apr 2024 20:39

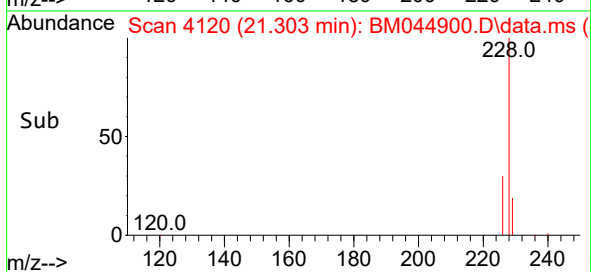
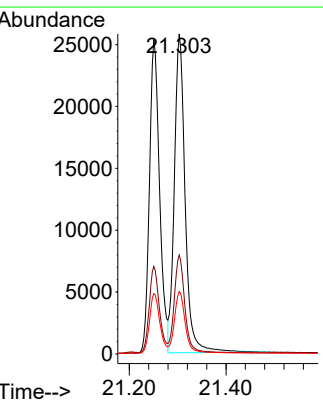
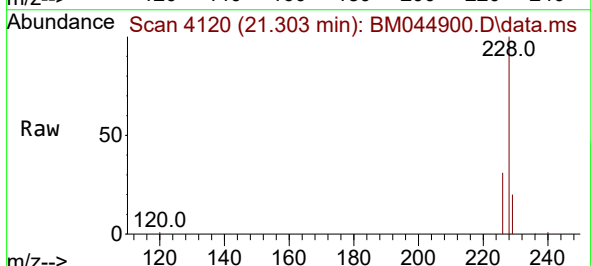
Tgt Ion:228 Resp: 40011

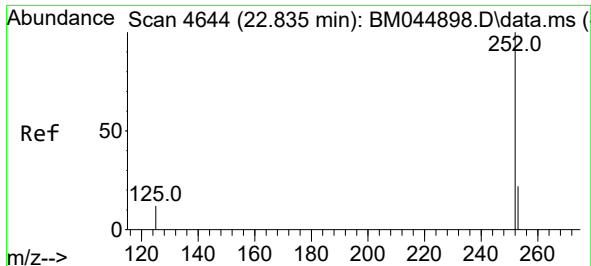
Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

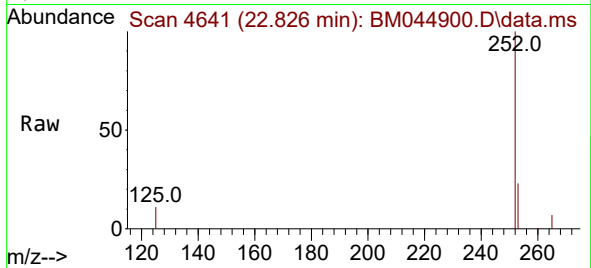
229 19.5 15.9 23.9



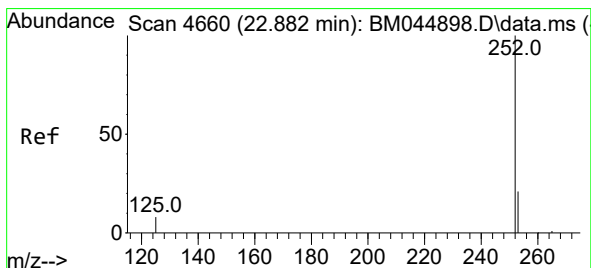
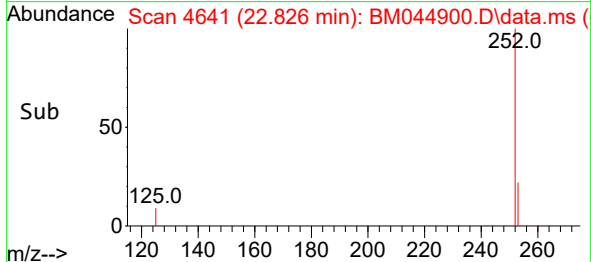
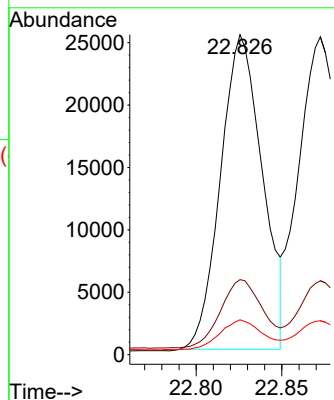


#24
Benzo(b)fluoranthene
Concen: 1.422 ng/ul
RT: 22.826 min Scan# 4641
Delta R.T. -0.010 min
Lab File: BM044900.D
Acq: 03 Apr 2024 20:39

Instrument :
BNA_M
ClientSampleId :
SSTD1.6026

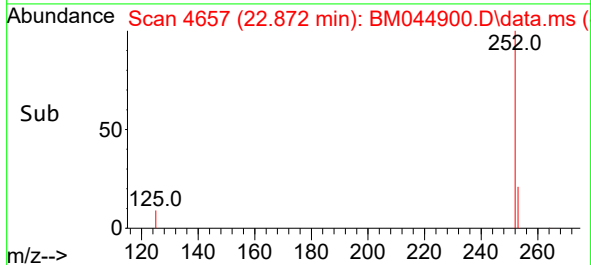
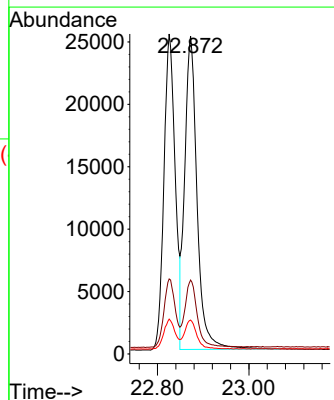
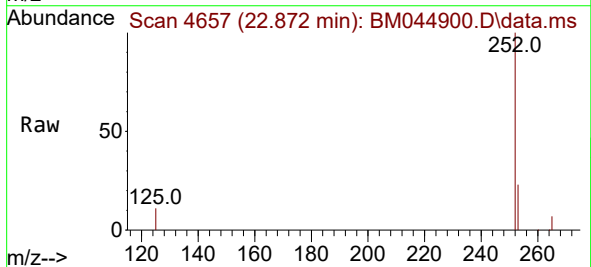


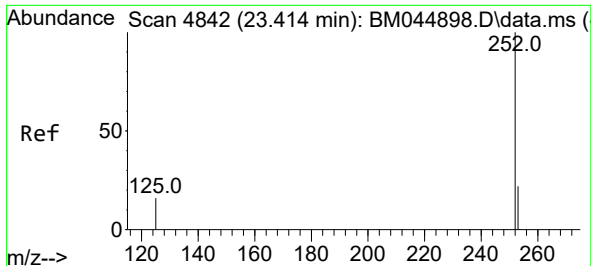
Tgt Ion:252 Resp: 42673
Ion Ratio Lower Upper
252 100
253 23.4 0.0 56.4
125 10.9 0.0 33.4



#25
Benzo(k)fluoranthene
Concen: 1.448 ng/ul
RT: 22.872 min Scan# 4657
Delta R.T. -0.010 min
Lab File: BM044900.D
Acq: 03 Apr 2024 20:39

Tgt Ion:252 Resp: 47062
Ion Ratio Lower Upper
252 100
253 23.2 22.3 33.5
125 10.7 11.6 17.4#

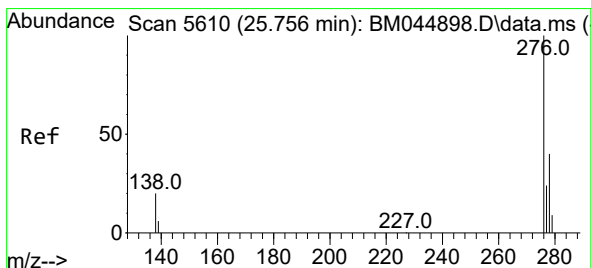
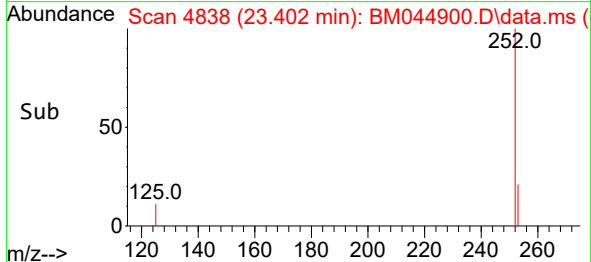
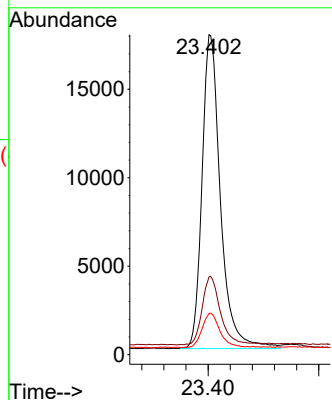
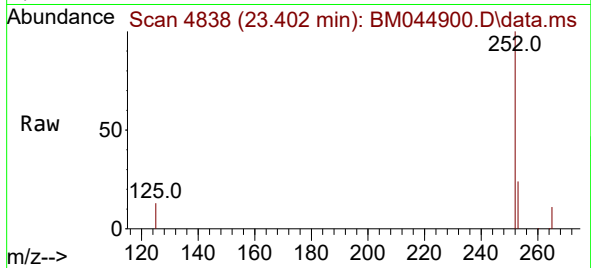




#26
Benzo(a)pyrene
Concen: 1.507 ng/ul
RT: 23.402 min Scan# 41
Delta R.T. -0.013 min
Lab File: BM044900.D
Acq: 03 Apr 2024 20:39

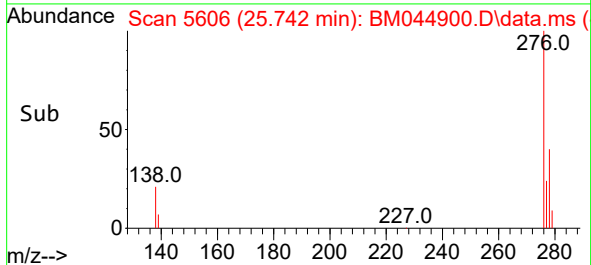
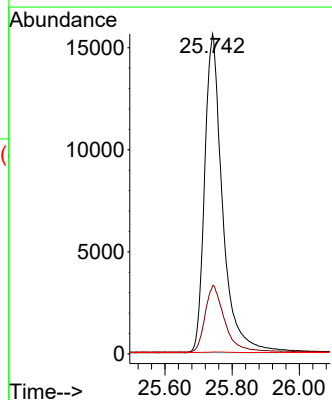
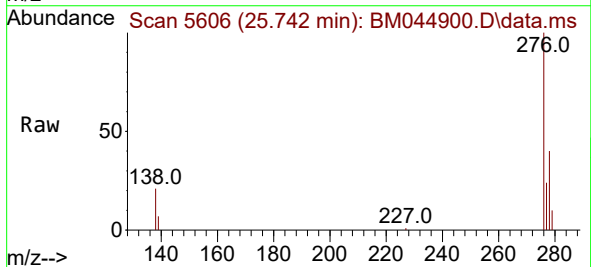
Instrument :
BNA_M
ClientSampleId :
SSTD1.6026

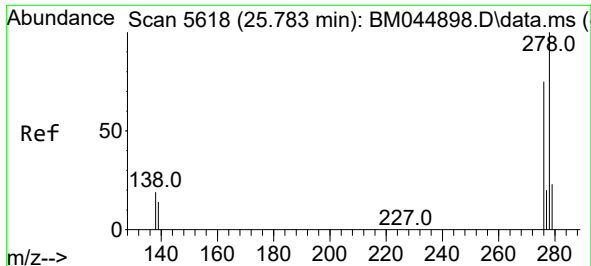
Tgt Ion:252 Resp: 41048
Ion Ratio Lower Upper
252 100
253 24.3 24.6 37.0#
125 12.8 18.2 27.4#



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.839 ng/ul
RT: 25.742 min Scan# 5606
Delta R.T. -0.014 min
Lab File: BM044900.D
Acq: 03 Apr 2024 20:39

Tgt Ion:276 Resp: 57625
Ion Ratio Lower Upper
276 100
138 22.8 0.0 0.0#
227 0.2 0.1 0.1#

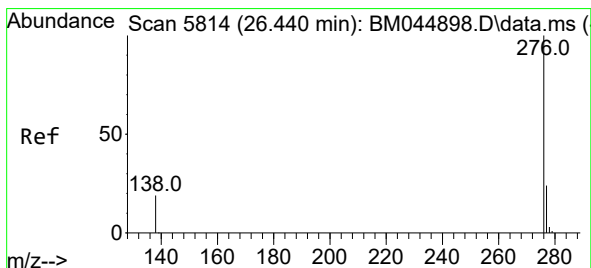
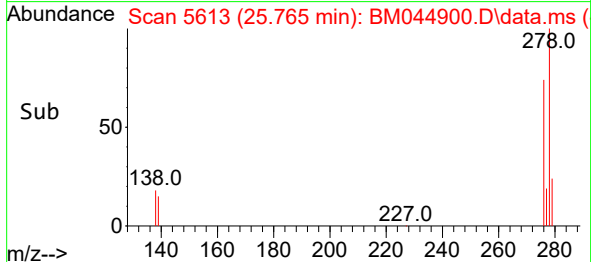
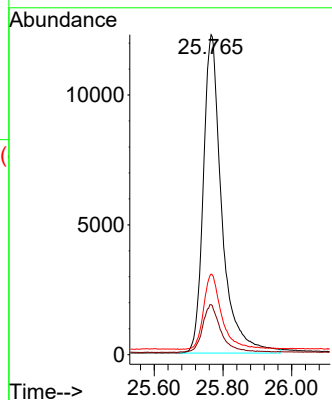
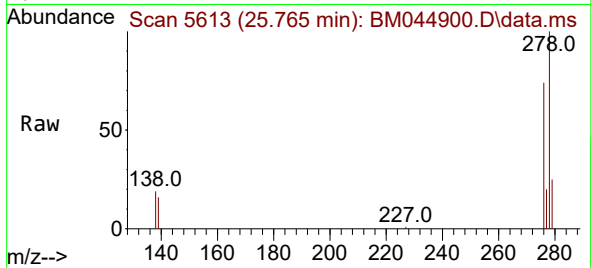




#28
Dibenzo(a,h)anthracene
Concen: 1.894 ng/ul
RT: 25.765 min Scan# 51
Delta R.T. -0.018 min
Lab File: BM044900.D
Acq: 03 Apr 2024 20:39

Instrument :
BNA_M
ClientSampleId :
SSTD1.6026

Tgt Ion:278 Resp: 45785
Ion Ratio Lower Upper
278 100
139 15.6 13.6 20.4
279 25.2 23.0 34.4



#29
Benzo(g,h,i)perylene
Concen: 1.766 ng/ul
RT: 26.426 min Scan# 5810
Delta R.T. -0.014 min
Lab File: BM044900.D
Acq: 03 Apr 2024 20:39

Tgt Ion:276 Resp: 48594
Ion Ratio Lower Upper
276 100
138 20.9 16.8 25.2
277 24.2 20.3 30.5

