

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012224\
 Data File : BM043894.D
 Acq On : 22 Jan 2024 20:55
 Operator : MA/JU
 Sample : SP6408
 Misc : SFAM SIM SPIKE
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP6408

Quant Time: Jan 23 00:31:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM011924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 22:45:24 2024
 Response via : Initial Calibration

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

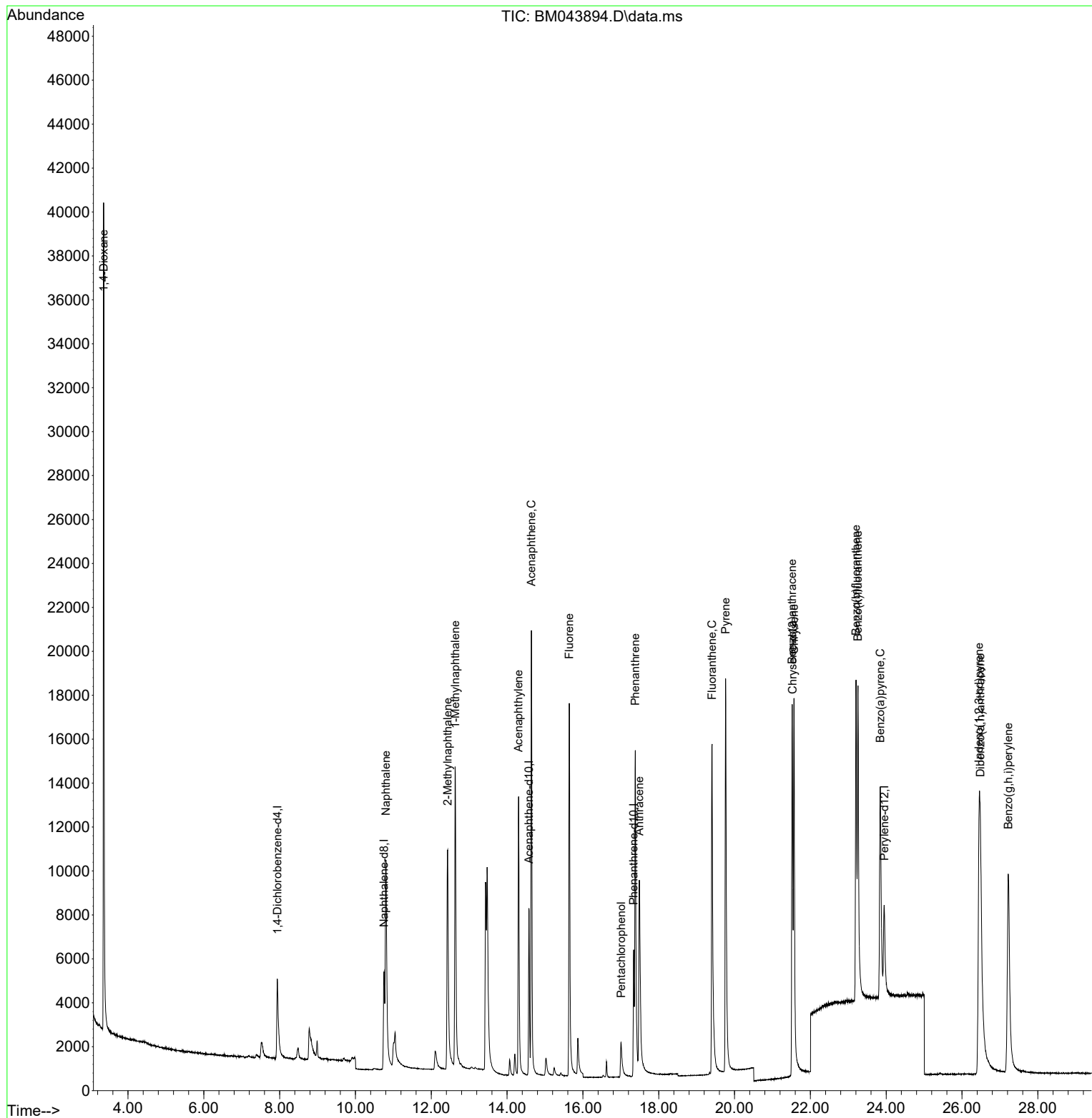
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.938	152	3792	0.400	ng/ul	0.00
4) Naphthalene-d8	10.754	136	10170	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.575	164	4784	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.339	188	9389	0.400	ng/ul	-0.01
17) Chrysene-d12	21.526	240	6210	0.400	ng/ul	0.00
23) Perylene-d12	23.946	264	7902	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.331	96	19	0.004	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.349	152	14	0.001	ng/ul	-0.02
18) Fluoranthene-d10	19.368	212	7	0.000	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.356	88	23304	4.181	ng/ul#	75
5) Naphthalene	10.803	128	21178	0.715	ng/ul	98
7) 2-Methylnaphthalene	12.431	142	12314	0.717	ng/ul	99
8) 1-Methylnaphthalene	12.635	142	12777	0.725	ng/ul	99
10) Acenaphthylene	14.302	152	18934	0.740	ng/ul	99
11) Acenaphthene	14.640	153	14070	0.739	ng/ul	99
12) Fluorene	15.639	166	14700	0.747	ng/ul	99
14) Pentachlorophenol	17.005	266	2440	2.050	ng/ul#	88
15) Phenanthrene	17.381	178	21217	0.713	ng/ul	100
16) Anthracene	17.486	178	20002	0.721	ng/ul	100
19) Fluoranthene	19.405	202	22350	0.677	ng/ul	100
20) Pyrene	19.763	202	24181	0.699	ng/ul	99
21) Benzo(a)anthracene	21.517	228	17431	0.722	ng/ul	99
22) Chrysene	21.567	228	23296	0.717	ng/ul	98
24) Benzo(b)fluoranthene	23.204	252	21706	0.722	ng/ul	91
25) Benzo(k)fluoranthene	23.253	252	25947	0.719	ng/ul	92
26) Benzo(a)pyrene	23.841	252	21818	0.711	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.450	276	30428	0.768	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.484	278	23059	0.762	ng/ul	93
29) Benzo(g,h,i)perylene	27.218	276	27032	0.765	ng/ul	99

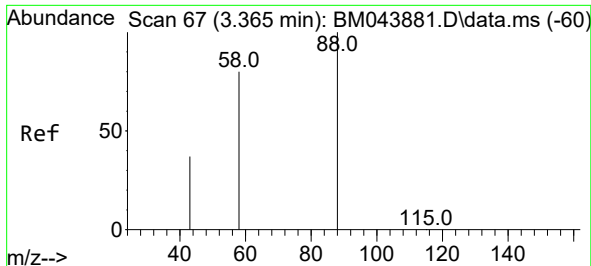
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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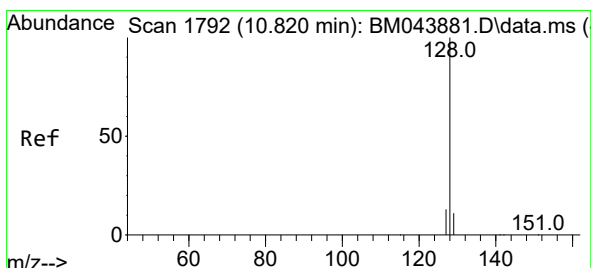
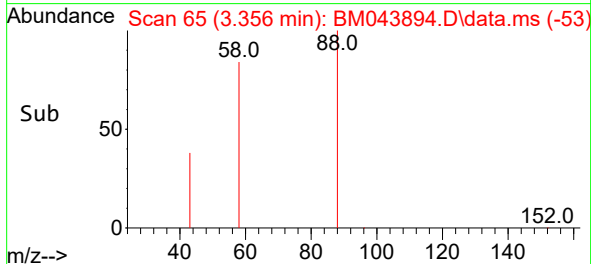
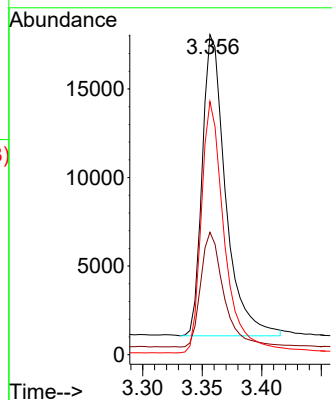
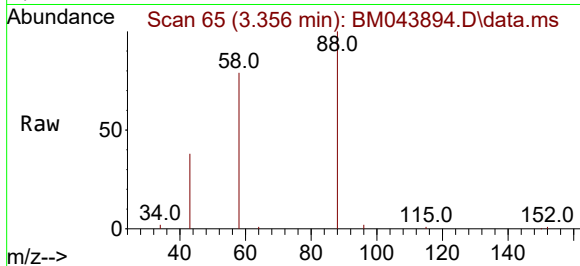




#2
1,4-Dioxane
Concen: 4.181 ng/ul
RT: 3.356 min Scan# 61
Delta R.T. -0.008 min
Lab File: BM043894.D
Acq: 22 Jan 2024 20:55

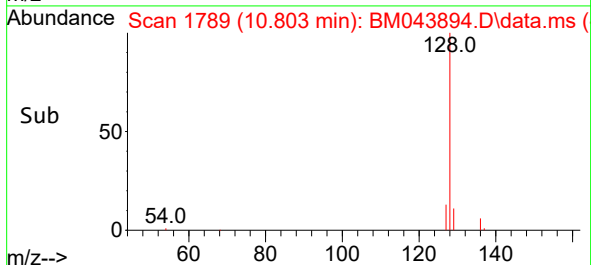
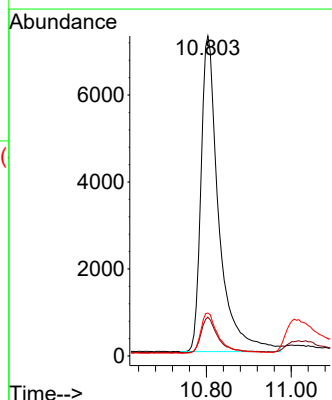
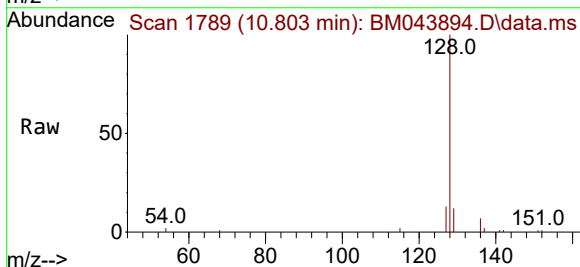
Instrument :
BNA_M
ClientSampleId :
SP6408

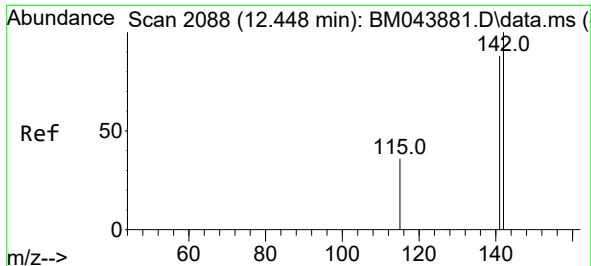
Tgt Ion: 88 Resp: 23304
Ion Ratio Lower Upper
88 100
43 38.3 32.2 48.4
58 79.1 40.2 60.4#



#5
Naphthalene
Concen: 0.715 ng/ul
RT: 10.803 min Scan# 1789
Delta R.T. -0.011 min
Lab File: BM043894.D
Acq: 22 Jan 2024 20:55

Tgt Ion: 128 Resp: 21178
Ion Ratio Lower Upper
128 100
129 12.1 10.0 15.0
127 13.4 11.4 17.0

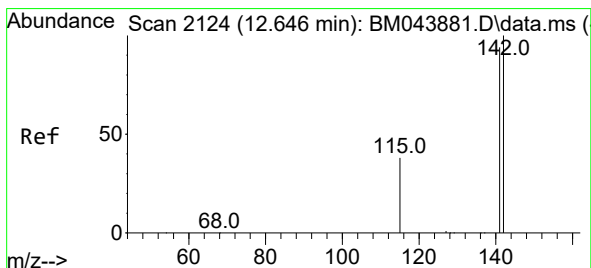
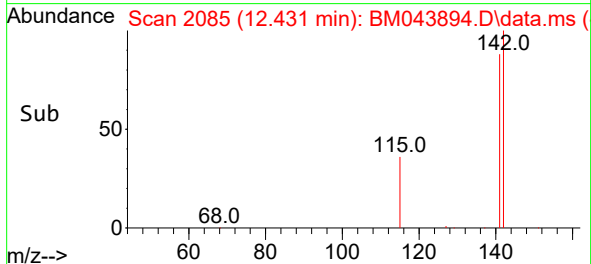
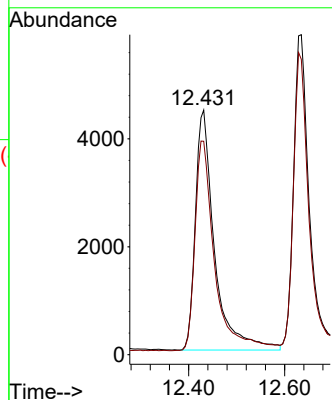
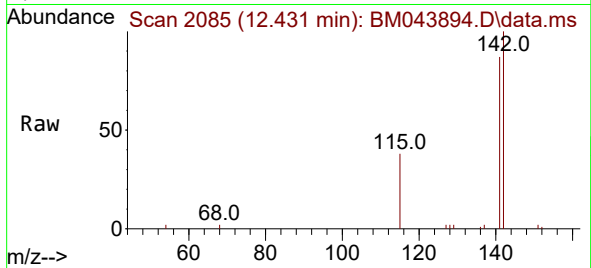




#7
2-Methylnaphthalene
Concen: 0.717 ng/ul
RT: 12.431 min Scan# 2085
Delta R.T. -0.005 min
Lab File: BM043894.D
Acq: 22 Jan 2024 20:55

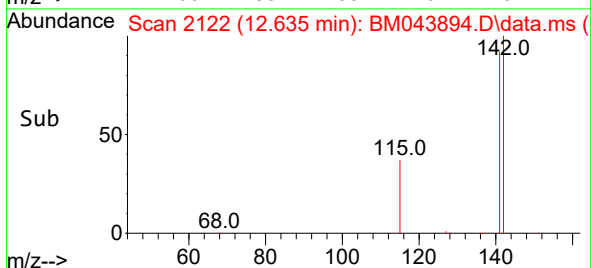
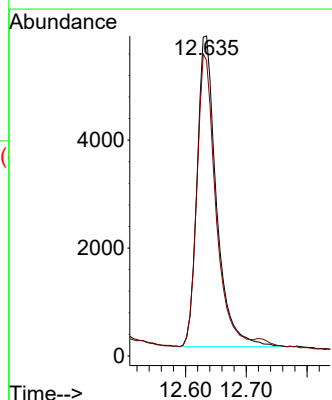
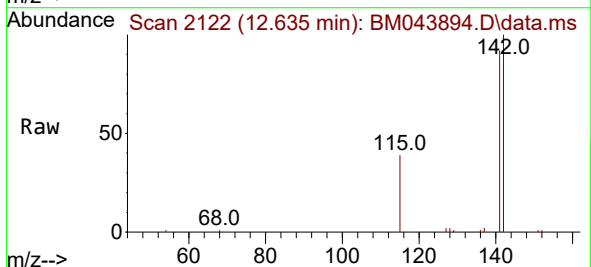
Instrument :
BNA_M
ClientSampleId :
SP6408

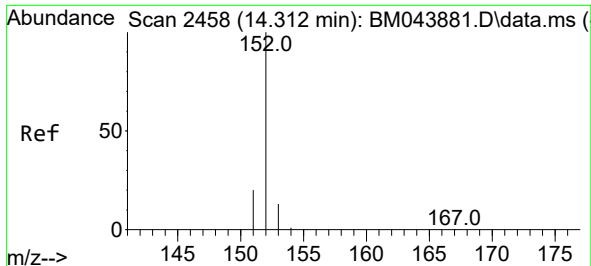
Tgt Ion:142 Resp: 12314
Ion Ratio Lower Upper
142 100
141 90.6 73.0 109.4



#8
1-Methylnaphthalene
Concen: 0.725 ng/ul
RT: 12.635 min Scan# 2122
Delta R.T. -0.005 min
Lab File: BM043894.D
Acq: 22 Jan 2024 20:55

Tgt Ion:142 Resp: 12777
Ion Ratio Lower Upper
142 100
141 93.9 74.6 111.8

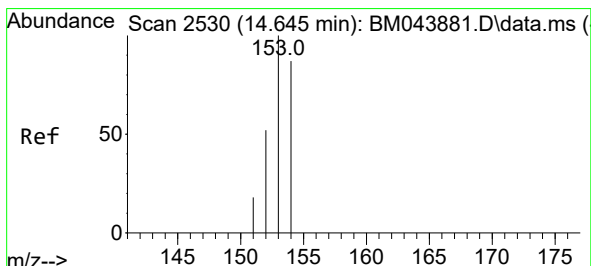
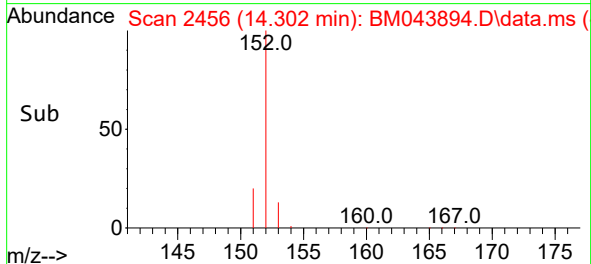
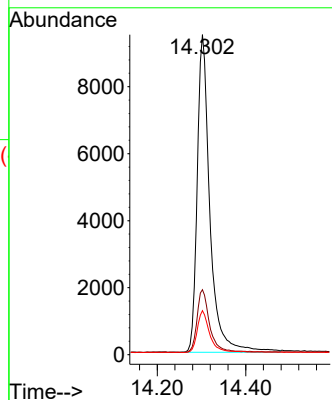
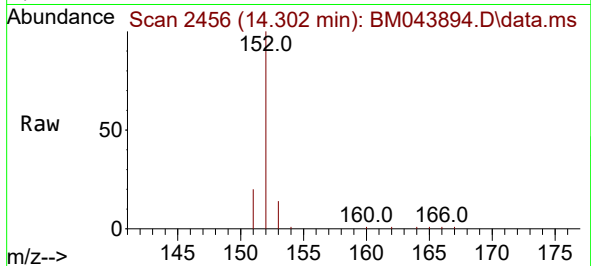




#10
Acenaphthylene
Concen: 0.740 ng/ul
RT: 14.302 min Scan# 2458
Delta R.T. -0.009 min
Lab File: BM043894.D
Acq: 22 Jan 2024 20:55

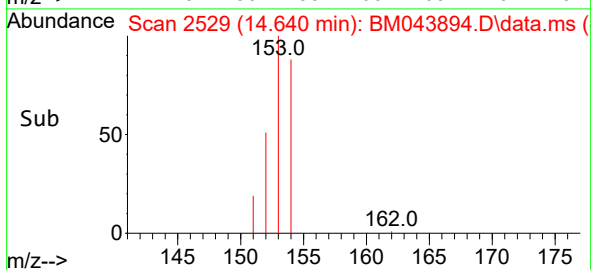
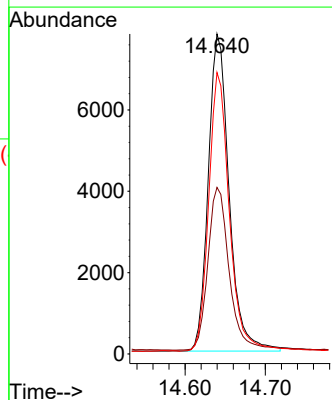
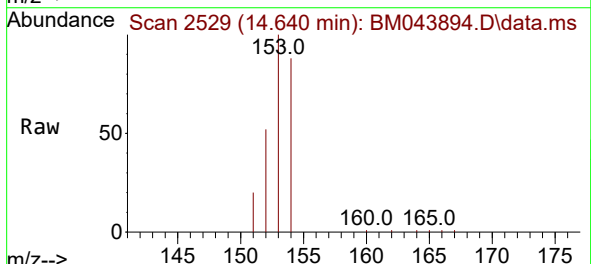
Instrument :
BNA_M
ClientSampleId :
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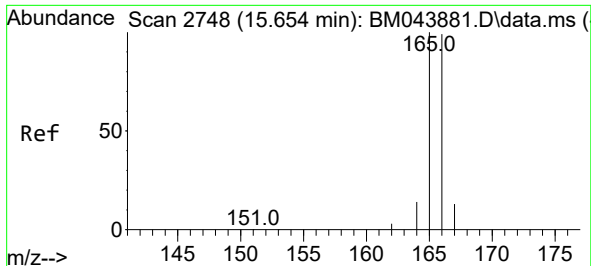
Tgt Ion:152 Resp: 18934
Ion Ratio Lower Upper
152 100
151 20.3 16.6 24.8
153 13.8 11.7 17.5



#11
Acenaphthene
Concen: 0.739 ng/ul
RT: 14.640 min Scan# 2529
Delta R.T. -0.005 min
Lab File: BM043894.D
Acq: 22 Jan 2024 20:55

Tgt Ion:153 Resp: 14070
Ion Ratio Lower Upper
153 100
152 52.1 42.1 63.1
154 87.9 69.0 103.6

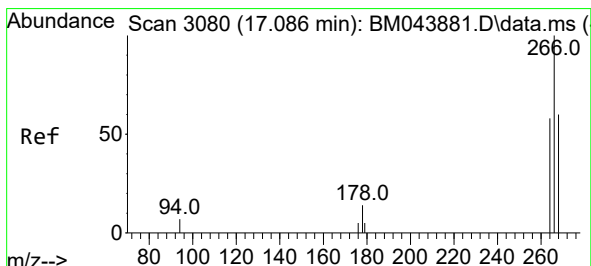
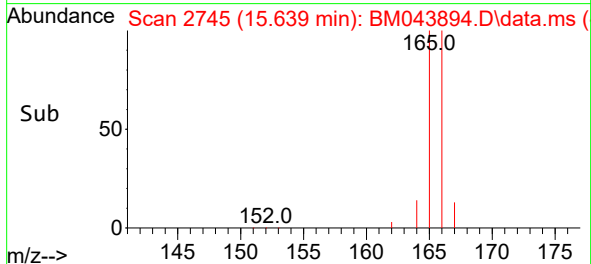
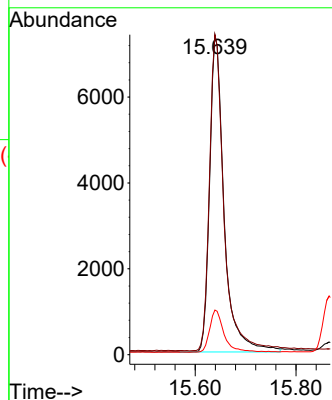
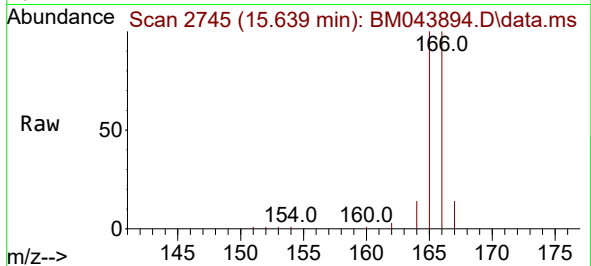




#12
Fluorene
Concen: 0.747 ng/ul
RT: 15.639 min Scan# 21
Delta R.T. -0.014 min
Lab File: BM043894.D
Acq: 22 Jan 2024 20:55

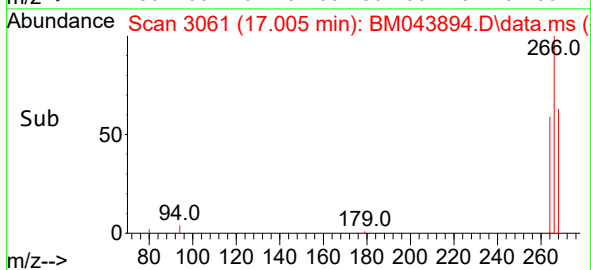
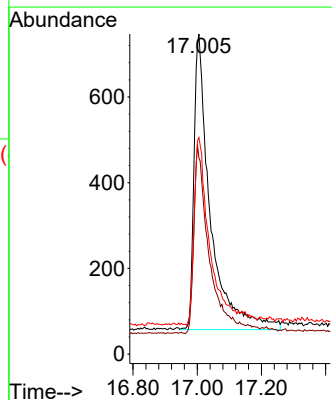
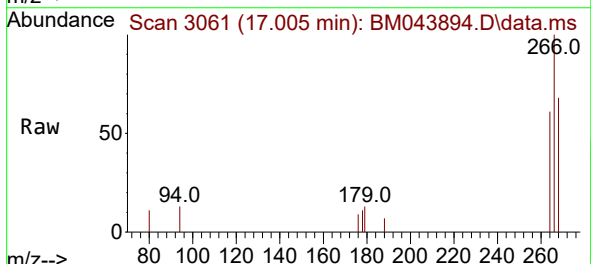
Instrument :
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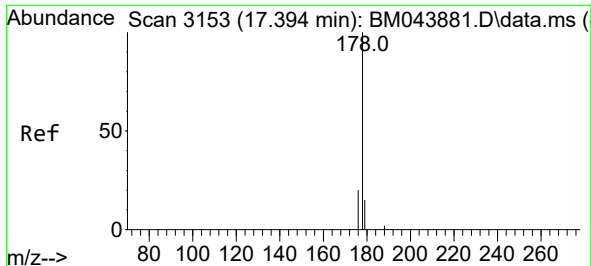
Tgt Ion:166 Resp: 14700
Ion Ratio Lower Upper
166 100
165 100.1 79.2 118.8
167 13.9 11.4 17.2



#14
Pentachlorophenol
Concen: 2.050 ng/ul
RT: 17.005 min Scan# 3061
Delta R.T. -0.089 min
Lab File: BM043894.D
Acq: 22 Jan 2024 20:55

Tgt Ion:266 Resp: 2440
Ion Ratio Lower Upper
266 100
264 61.9 39.8 59.6#
268 61.7 45.6 68.4

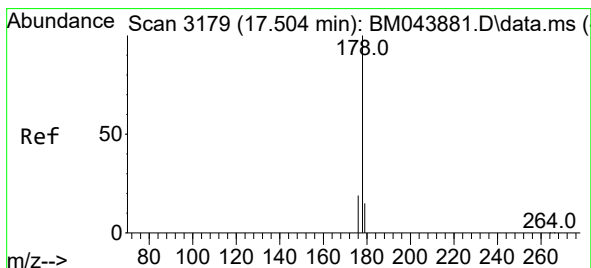
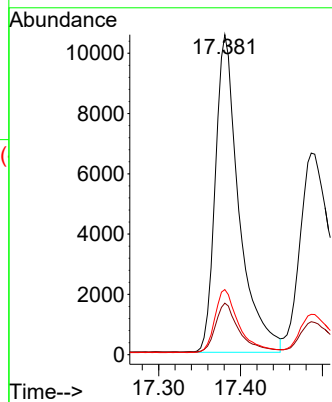
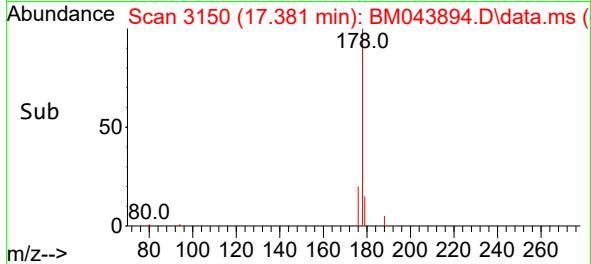
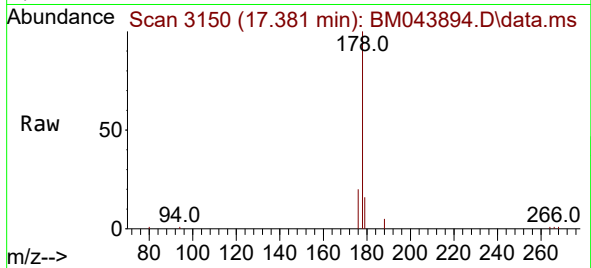




#15
Phenanthrene
Concen: 0.713 ng/ul
RT: 17.381 min Scan# 3150
Delta R.T. -0.013 min
Lab File: BM043894.D
Acq: 22 Jan 2024 20:55

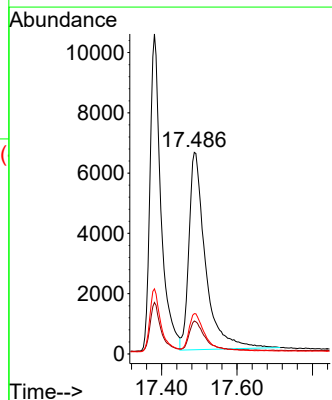
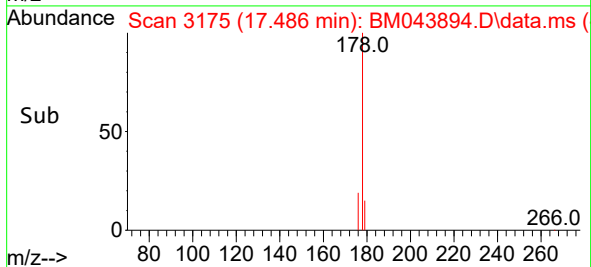
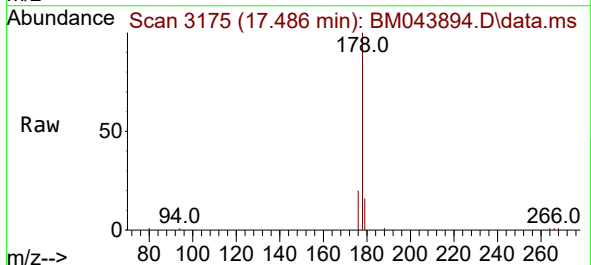
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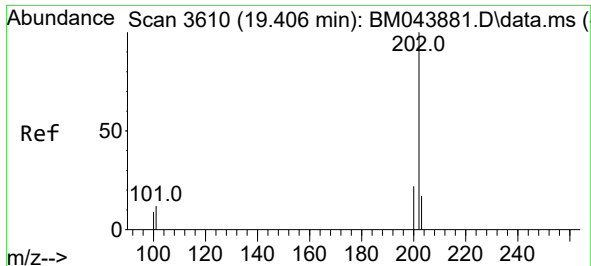
Tgt Ion:	178	Resp:	21217
Ion	Ratio	Lower	Upper
178	100		
179	16.1	13.0	19.6
176	20.4	16.4	24.6



#16
Anthracene
Concen: 0.721 ng/ul
RT: 17.486 min Scan# 3175
Delta R.T. -0.008 min
Lab File: BM043894.D
Acq: 22 Jan 2024 20:55

Tgt Ion:	178	Resp:	20002
Ion	Ratio	Lower	Upper
178	100		
179	16.4	13.2	19.8
176	20.0	16.2	24.2

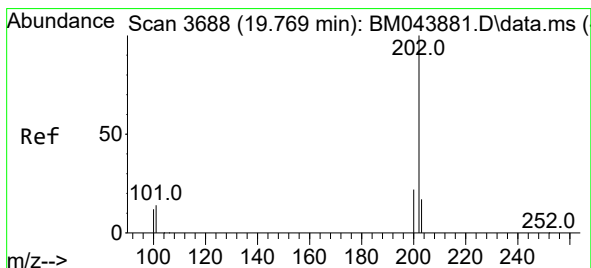
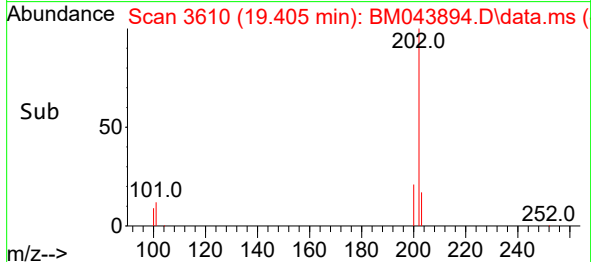
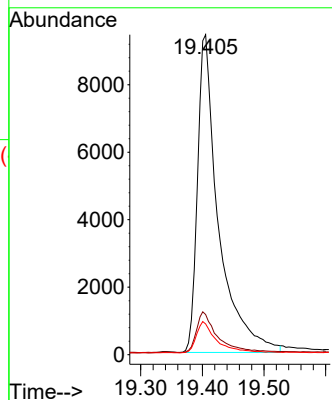
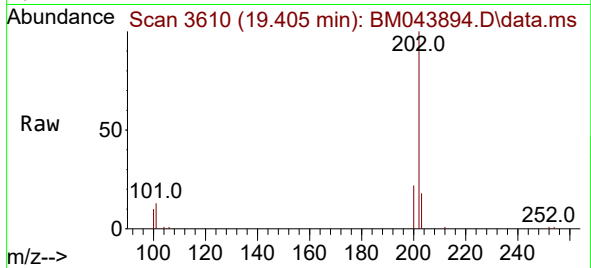




#19
Fluoranthene
Concen: 0.677 ng/ul
RT: 19.405 min Scan# 3610
Delta R.T. 0.005 min
Lab File: BM043894.D
Acq: 22 Jan 2024 20:55

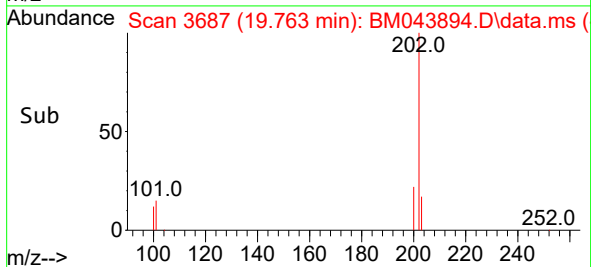
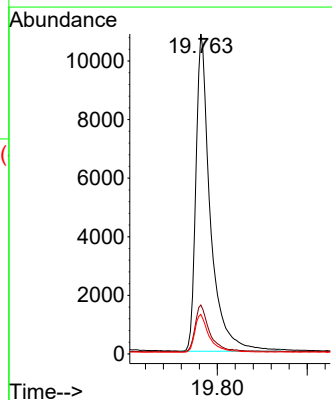
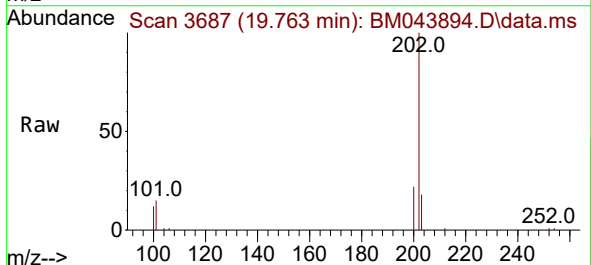
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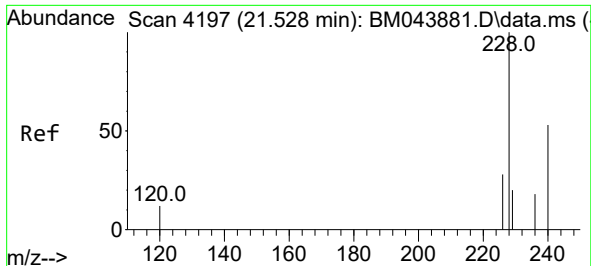
Tgt Ion:202 Resp: 22350
Ion Ratio Lower Upper
202 100
101 12.6 10.1 15.1
100 9.6 8.0 12.0



#20
Pyrene
Concen: 0.699 ng/ul
RT: 19.763 min Scan# 3687
Delta R.T. -0.005 min
Lab File: BM043894.D
Acq: 22 Jan 2024 20:55

Tgt Ion:202 Resp: 24181
Ion Ratio Lower Upper
202 100
101 15.3 11.9 17.9
100 12.3 9.5 14.3

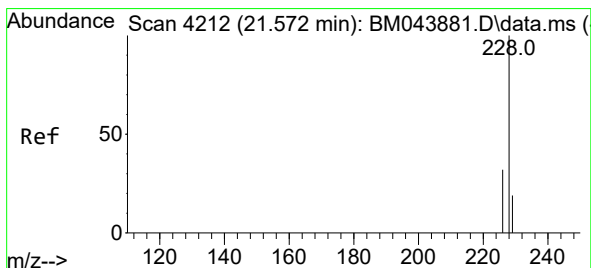
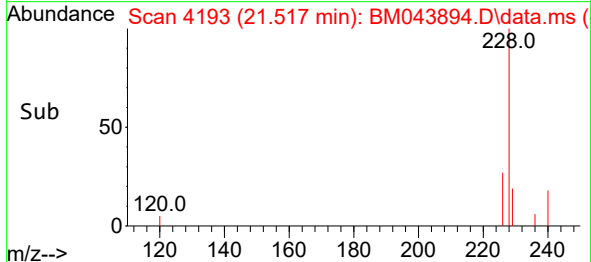
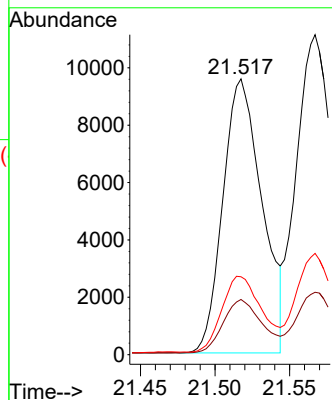
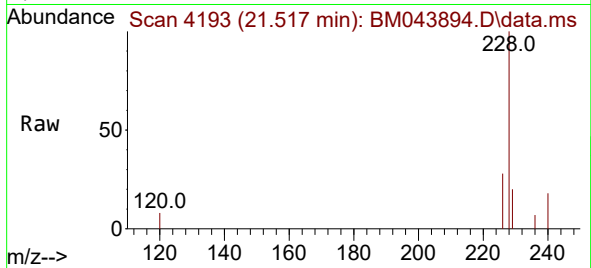




#21
Benzo(a)anthracene
Concen: 0.722 ng/ul
RT: 21.517 min Scan# 41
Delta R.T. -0.006 min
Lab File: BM043894.D
Acq: 22 Jan 2024 20:55

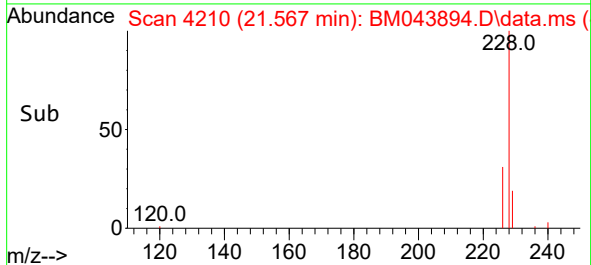
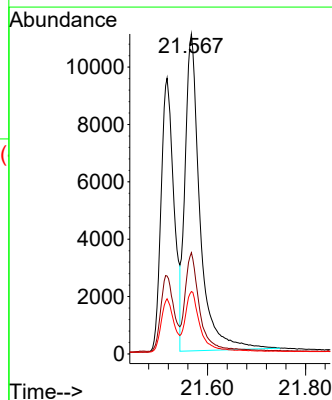
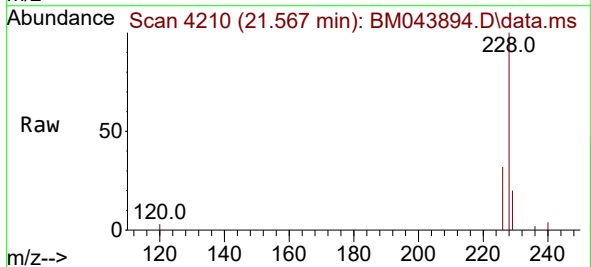
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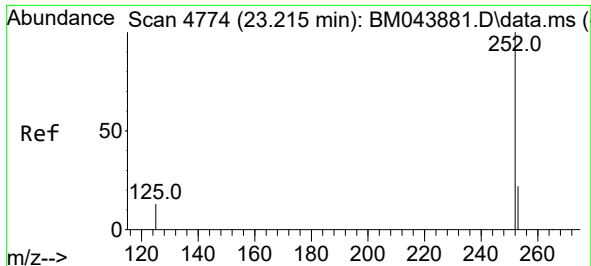
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Ion Ratio Lower Upper
228 100
229 20.0 16.5 24.7
226 28.3 23.1 34.7



#22
Chrysene
Concen: 0.717 ng/ul
RT: 21.567 min Scan# 4210
Delta R.T. -0.006 min
Lab File: BM043894.D
Acq: 22 Jan 2024 20:55

Tgt Ion:228 Resp: 23296
Ion Ratio Lower Upper
228 100
226 31.6 26.2 39.2
229 19.5 16.2 24.2

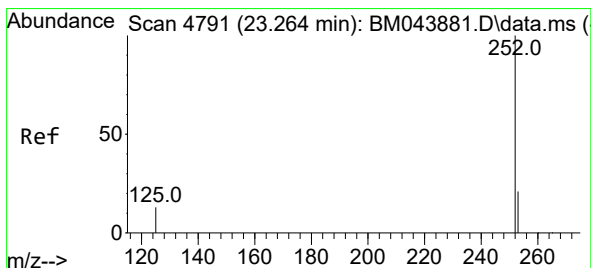
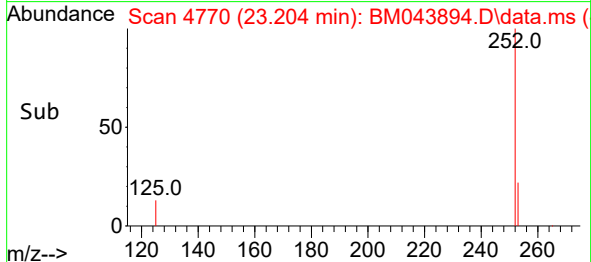
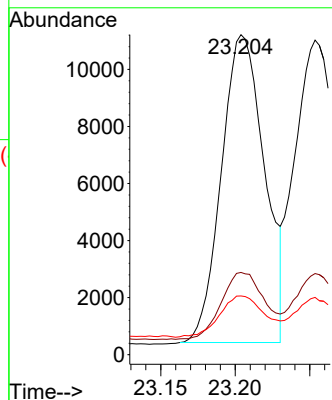
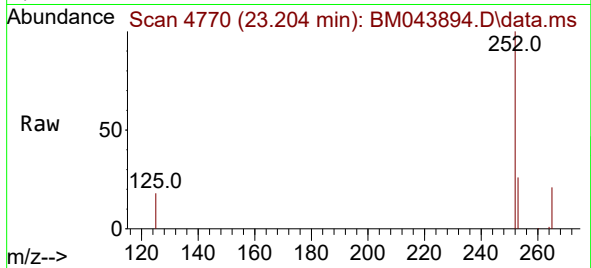




#24
Benzo(b)fluoranthene
Concen: 0.722 ng/ul
RT: 23.204 min Scan# 4770
Delta R.T. -0.012 min
Lab File: BM043894.D
Acq: 22 Jan 2024 20:55

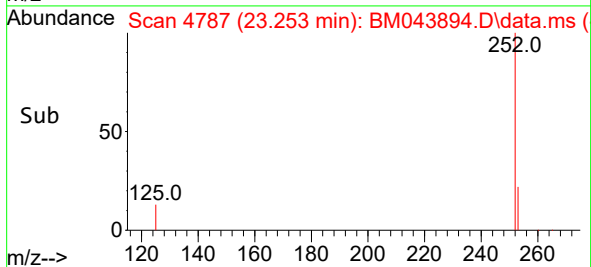
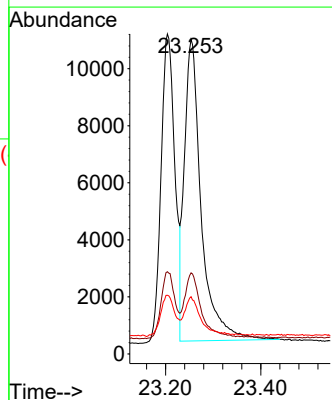
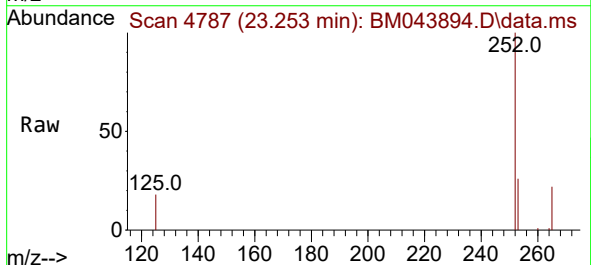
Instrument :
BNA_M
ClientSampleId :
SP6408

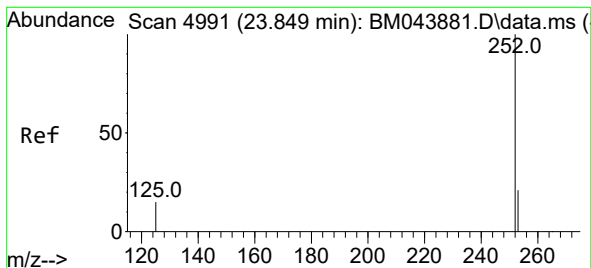
Tgt Ion:252 Resp: 21706
Ion Ratio Lower Upper
252 100
253 25.7 0.0 58.8
125 18.4 0.0 47.2



#25
Benzo(k)fluoranthene
Concen: 0.719 ng/ul
RT: 23.253 min Scan# 4787
Delta R.T. -0.012 min
Lab File: BM043894.D
Acq: 22 Jan 2024 20:55

Tgt Ion:252 Resp: 25947
Ion Ratio Lower Upper
252 100
253 25.8 24.2 36.2
125 18.2 17.9 26.9





#26

Benzo(a)pyrene

Concen: 0.711 ng/ul

RT: 23.841 min Scan# 4991

Delta R.T. -0.012 min

Lab File: BM043894.D

Acq: 22 Jan 2024 20:55

Instrument :

BNA_M

ClientSampleId :

SP6408

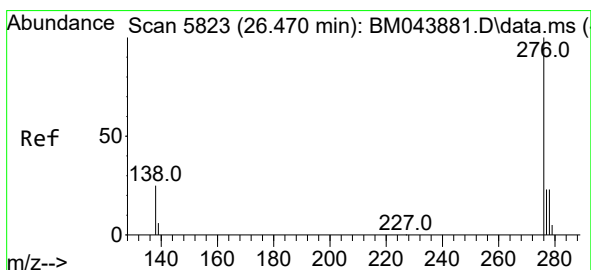
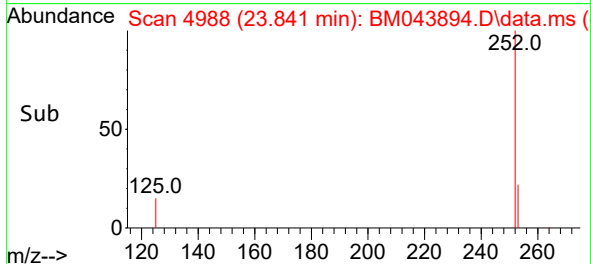
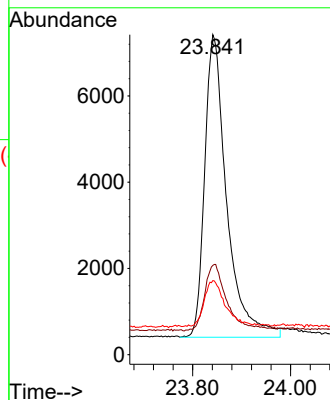
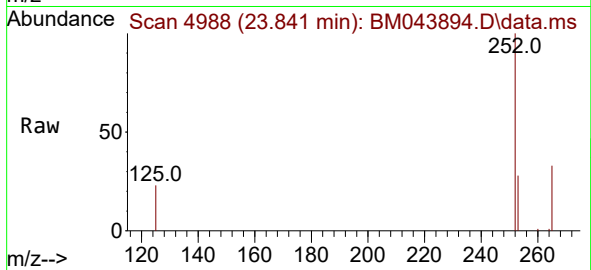
Tgt Ion:252 Resp: 21818

Ion Ratio Lower Upper

252 100

253 27.9 28.6 42.8#

125 23.2 26.9 40.3#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.768 ng/ul

RT: 26.450 min Scan# 5817

Delta R.T. -0.027 min

Lab File: BM043894.D

Acq: 22 Jan 2024 20:55

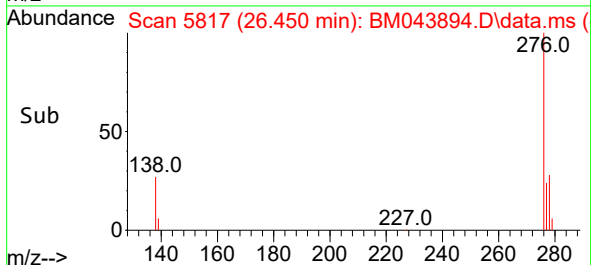
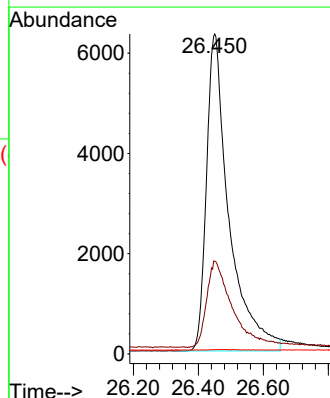
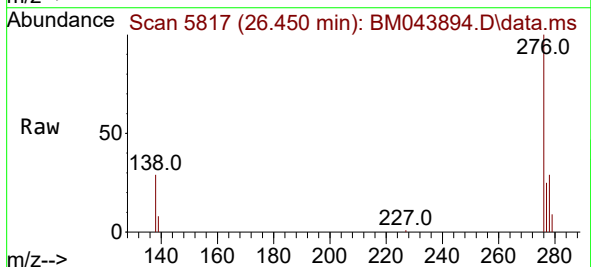
Tgt Ion:276 Resp: 30428

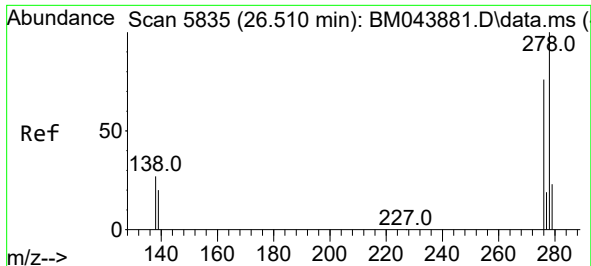
Ion Ratio Lower Upper

276 100

138 31.6 24.6 36.8

227 0.0 0.1 0.1#

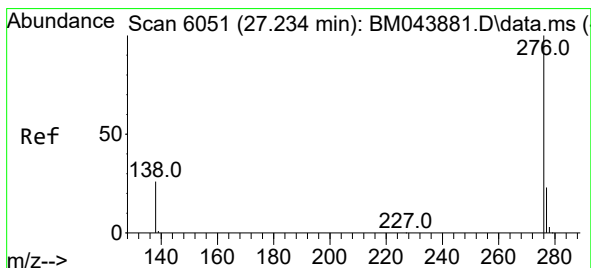
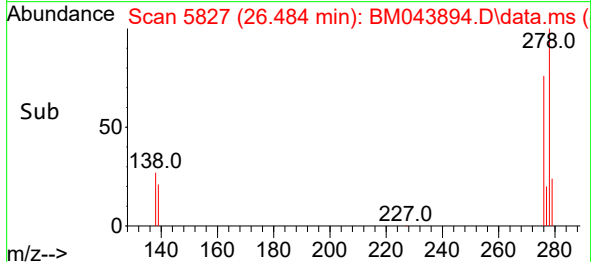
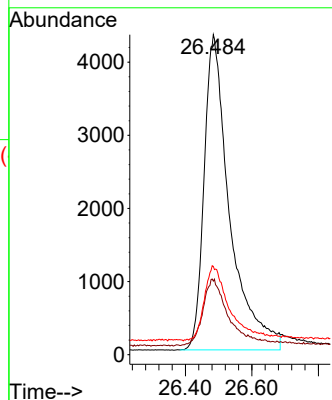
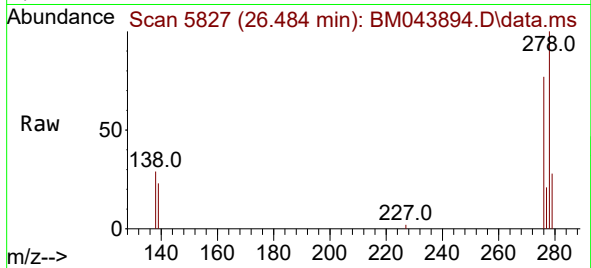




#28
 Dibenzo(a,h)anthracene
 Concen: 0.762 ng/ul
 RT: 26.484 min Scan# 5835
 Delta R.T. -0.027 min
 Lab File: BM043894.D
 Acq: 22 Jan 2024 20:55

Instrument :
 BNA_M
 ClientSampleId :
 SP6408

Tgt Ion:278 Resp: 23059
 Ion Ratio Lower Upper
 278 100
 139 23.0 21.1 31.7
 279 27.6 25.8 38.6



#29
 Benzo(g,h,i)perylene
 Concen: 0.765 ng/ul
 RT: 27.218 min Scan# 6046
 Delta R.T. -0.027 min
 Lab File: BM043894.D
 Acq: 22 Jan 2024 20:55

Tgt Ion:276 Resp: 27032
 Ion Ratio Lower Upper
 276 100
 138 29.3 24.0 36.0
 277 25.1 20.6 31.0

