

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092723\
 Data File : BM042094.D
 Acq On : 27 Sep 2023 21:25
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4101

Quant Time: Sep 28 01:04:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM092223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 13:50:58 2023
 Response via : Initial Calibration

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

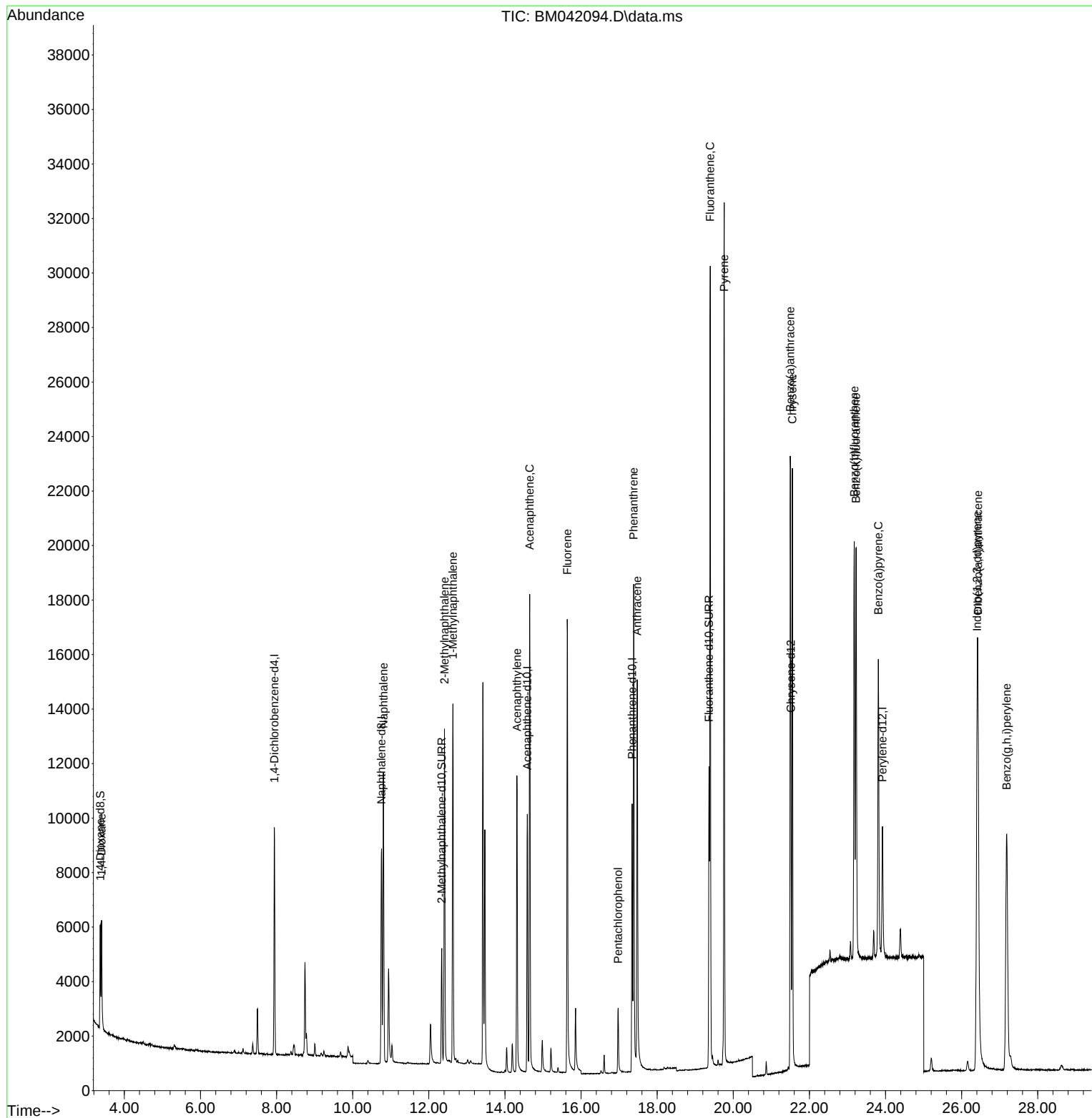
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	4160	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.757	136	10460	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.587	164	4959	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.341	188	10768	0.400	ng/ul	-0.01
17) Chrysene-d12	21.515	240	6045	0.400	ng/ul	0.00
23) Perylene-d12	23.921	264	6710	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.368	96	2437	0.430	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.341	152	5643	0.431	ng/ul	-0.01
18) Fluoranthene-d10	19.362	212	9686	0.389	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.402	88	2465	0.413	ng/ul	97
5) Naphthalene	10.807	128	14627	0.417	ng/ul	100
7) 2-Methylnaphthalene	12.412	142	8829	0.423	ng/ul	99
8) 1-Methylnaphthalene	12.632	142	9000	0.424	ng/ul	99
10) Acenaphthylene	14.314	152	13514	0.407	ng/ul	100
11) Acenaphthene	14.652	153	10493	0.412	ng/ul	99
12) Fluorene	15.637	166	11900	0.415	ng/ul	98
14) Pentachlorophenol	16.974	266	1747	0.307	ng/ul	99
15) Phenanthrene	17.383	178	19916	0.399	ng/ul	100
16) Anthracene	17.476	178	17359	0.402	ng/ul	100
19) Fluoranthene	19.394	202	23812	0.349	ng/ul	100
20) Pyrene	19.761	202	24880	0.370	ng/ul	100
21) Benzo(a)anthracene	21.498	228	18565	0.405	ng/ul	99
22) Chrysene	21.553	228	19099	0.403	ng/ul	99
24) Benzo(b)fluoranthene	23.178	252	20174	0.391	ng/ul	99
25) Benzo(k)fluoranthene	23.225	252	19984	0.398	ng/ul	99
26) Benzo(a)pyrene	23.813	252	17088	0.402	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.408	276	23361	0.401	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.428	278	16953	0.402	ng/ul	99
29) Benzo(g,h,i)perylene	27.182	276	19841	0.405	ng/ul	100

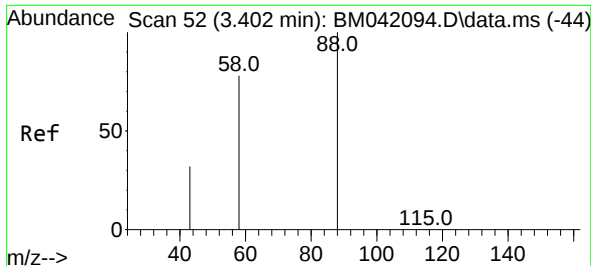
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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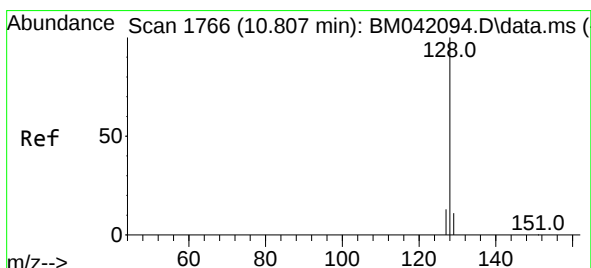
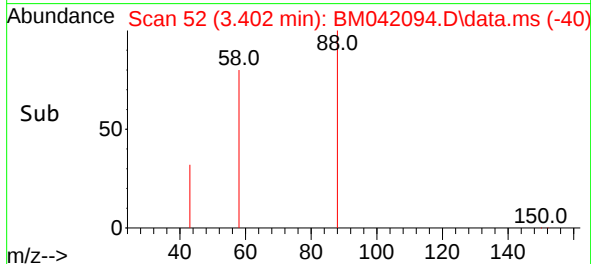
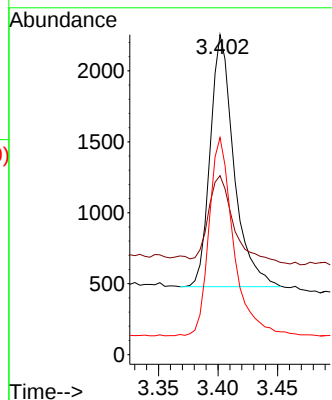
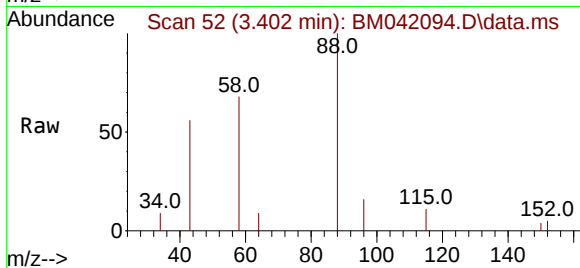




#2
 1,4-Dioxane
 Concen: 0.413 ng/ul
 RT: 3.402 min Scan# 51
 Delta R.T. -0.008 min
 Lab File: BM042094.D
 Acq: 27 Sep 2023 21:25

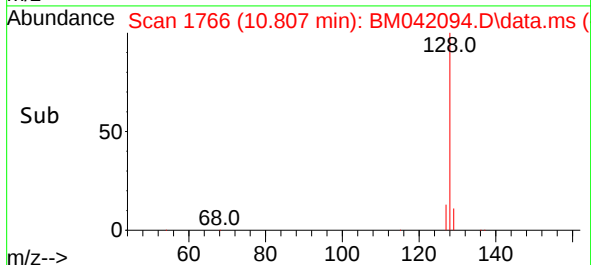
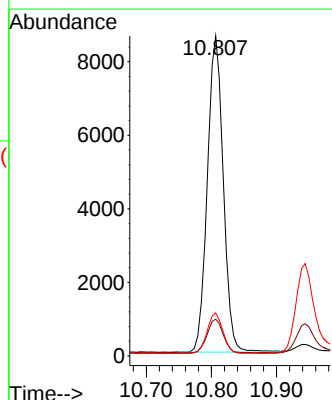
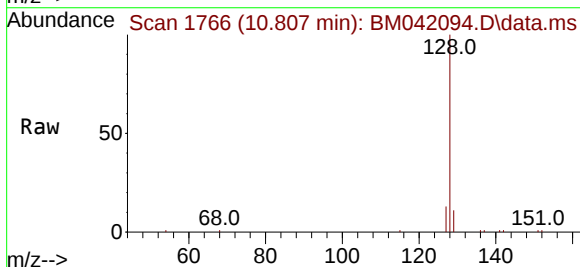
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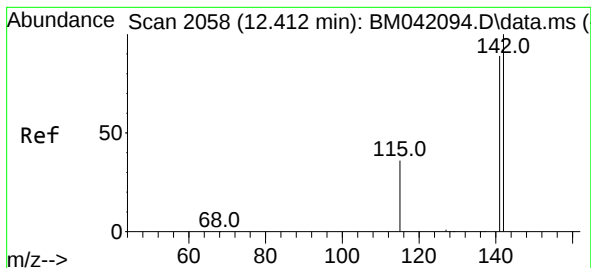
Tgt Ion: 88 Resp: 2465
 Ion Ratio Lower Upper
 88 100
 43 55.9 42.9 64.3
 58 67.8 56.4 84.6



#5
 Naphthalene
 Concen: 0.417 ng/ul
 RT: 10.807 min Scan# 1766
 Delta R.T. -0.011 min
 Lab File: BM042094.D
 Acq: 27 Sep 2023 21:25

Tgt Ion: 128 Resp: 14627
 Ion Ratio Lower Upper
 128 100
 129 11.5 9.2 13.8
 127 13.5 10.8 16.2

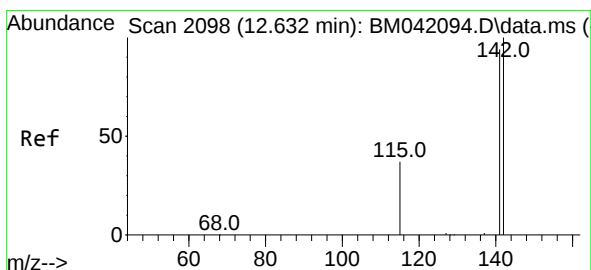
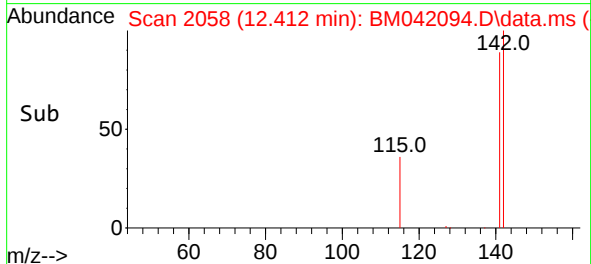
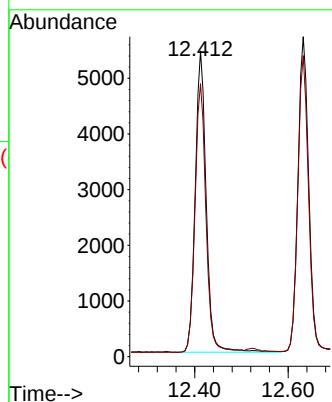
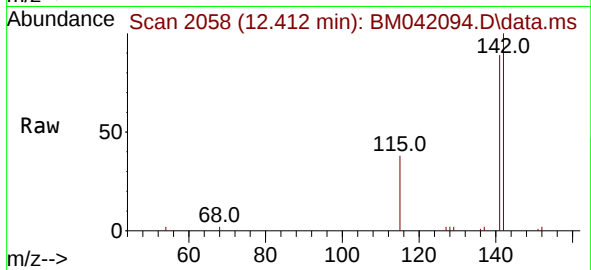




#7
2-Methylnaphthalene
Concen: 0.423 ng/ul
RT: 12.412 min Scan# 2058
Delta R.T. -0.011 min
Lab File: BM042094.D
Acq: 27 Sep 2023 21:25

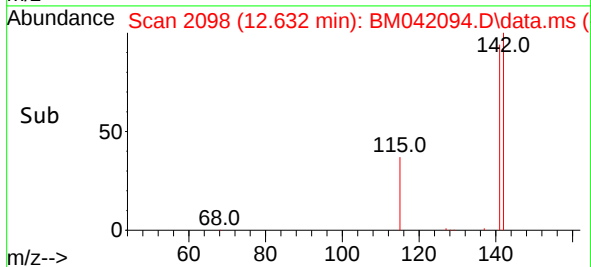
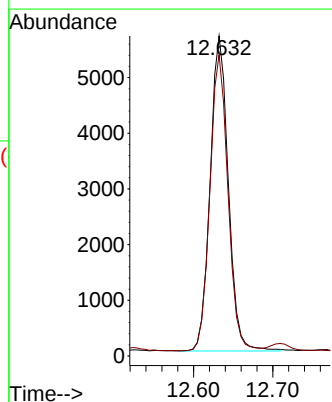
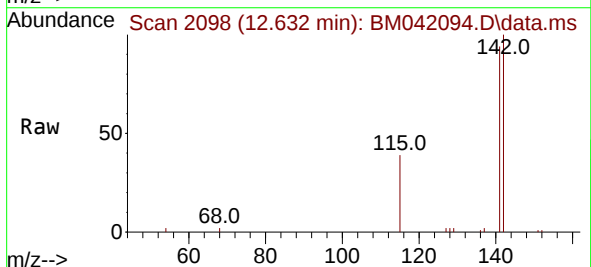
Instrument :
BNA_M
ClientSampleId :
SSTD0.4101

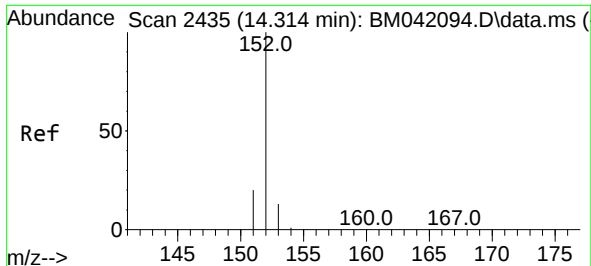
Tgt Ion:142 Resp: 8829
Ion Ratio Lower Upper
142 100
141 89.3 72.1 108.1



#8
1-Methylnaphthalene
Concen: 0.424 ng/ul
RT: 12.632 min Scan# 2098
Delta R.T. -0.011 min
Lab File: BM042094.D
Acq: 27 Sep 2023 21:25

Tgt Ion:142 Resp: 9000
Ion Ratio Lower Upper
142 100
141 93.3 75.1 112.7

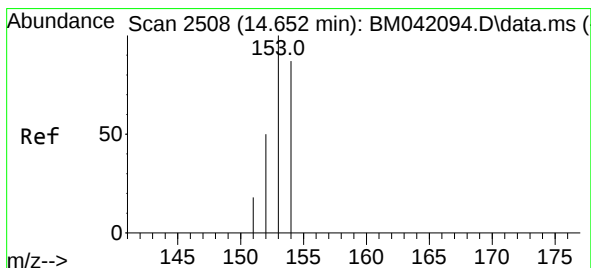
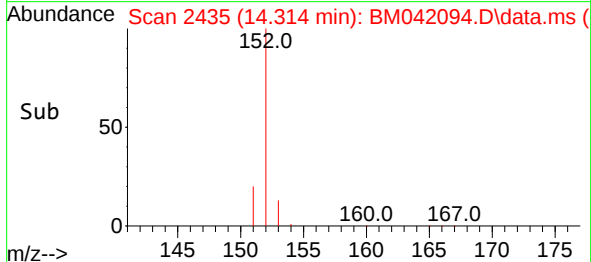
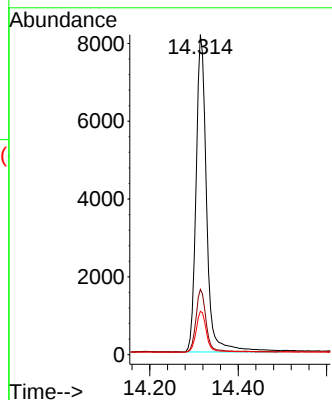
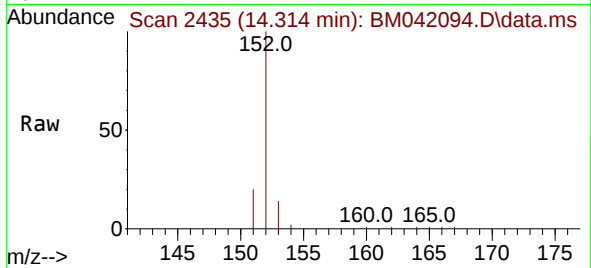




#10
Acenaphthylene
Concen: 0.407 ng/ul
RT: 14.314 min Scan# 2435
Delta R.T. -0.014 min
Lab File: BM042094.D
Acq: 27 Sep 2023 21:25

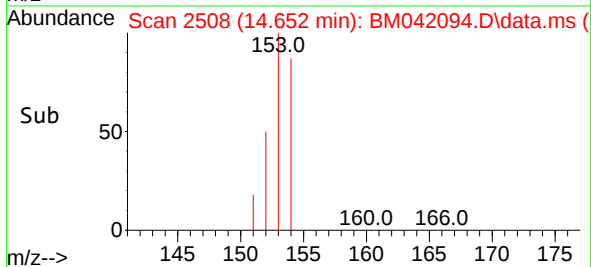
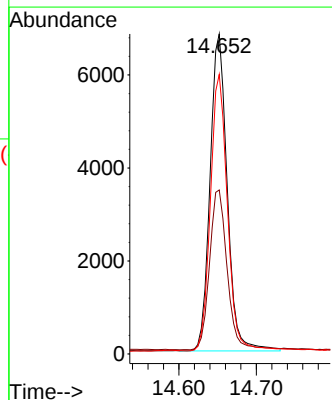
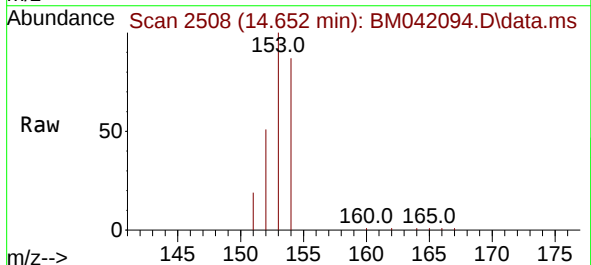
Instrument :
BNA_M
ClientSampleId :
SSTD0.4101

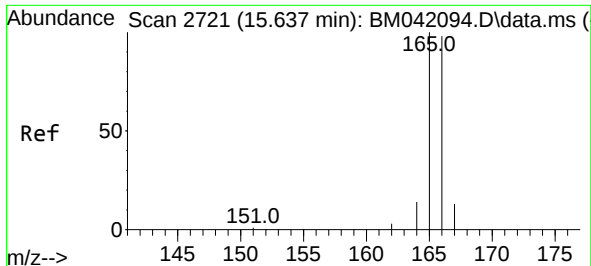
Tgt Ion:152 Resp: 13514
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4
153 13.5 10.8 16.2



#11
Acenaphthene
Concen: 0.412 ng/ul
RT: 14.652 min Scan# 2508
Delta R.T. -0.009 min
Lab File: BM042094.D
Acq: 27 Sep 2023 21:25

Tgt Ion:153 Resp: 10493
Ion Ratio Lower Upper
153 100
152 51.3 41.8 62.8
154 87.4 69.0 103.6

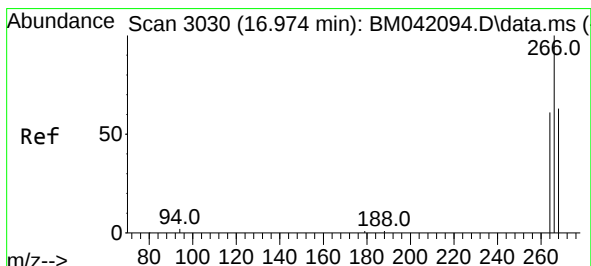
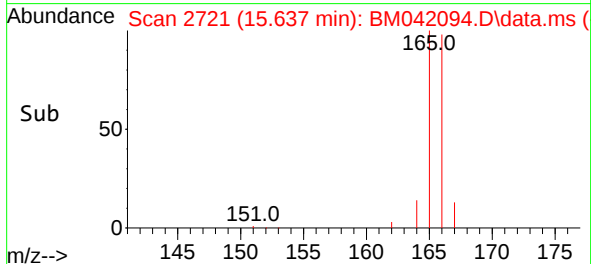
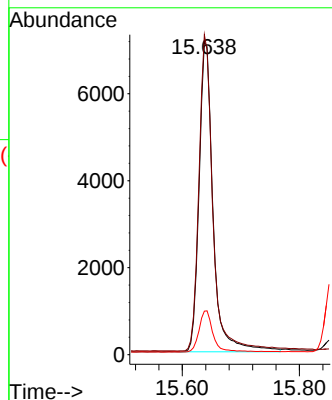
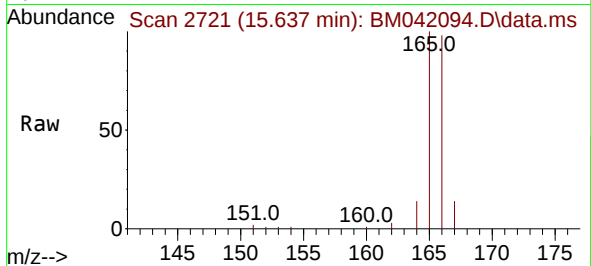




#12
Fluorene
Concen: 0.415 ng/ul
RT: 15.637 min Scan# 21
Delta R.T. -0.014 min
Lab File: BM042094.D
Acq: 27 Sep 2023 21:25

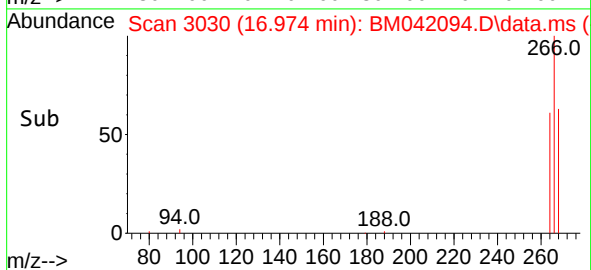
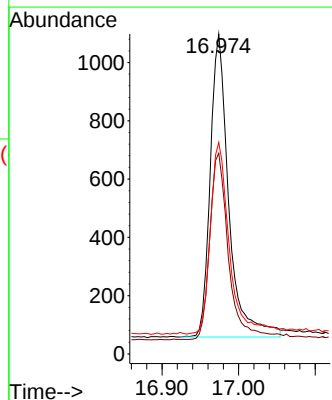
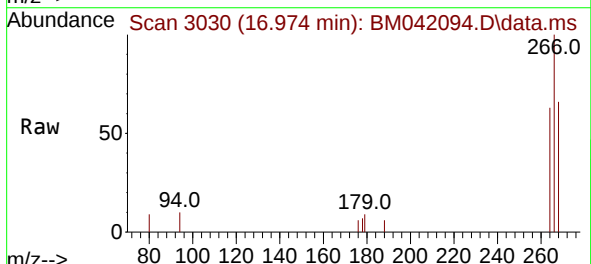
Instrument :
BNA_M
ClientSampleId :
SSTD0.4101

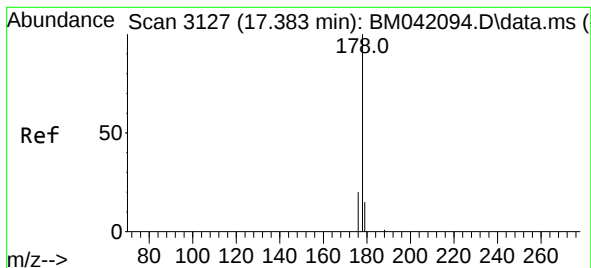
Tgt Ion:166 Resp: 11900
Ion Ratio Lower Upper
166 100
165 102.3 79.8 119.8
167 13.9 11.1 16.7



#14
Pentachlorophenol
Concen: 0.307 ng/ul
RT: 16.974 min Scan# 3030
Delta R.T. -0.008 min
Lab File: BM042094.D
Acq: 27 Sep 2023 21:25

Tgt Ion:266 Resp: 1747
Ion Ratio Lower Upper
266 100
264 62.3 50.2 75.4
268 65.0 51.0 76.4





#15

Phenanthrene

Concen: 0.399 ng/ul

RT: 17.383 min Scan# 3127

Delta R.T. -0.013 min

Lab File: BM042094.D

Acq: 27 Sep 2023 21:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.4101

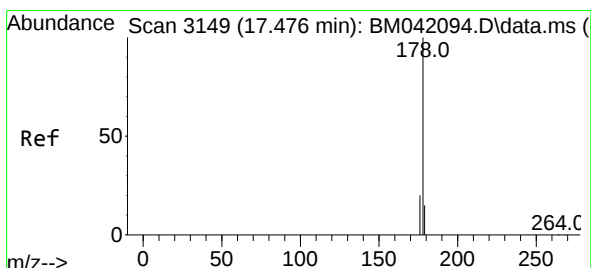
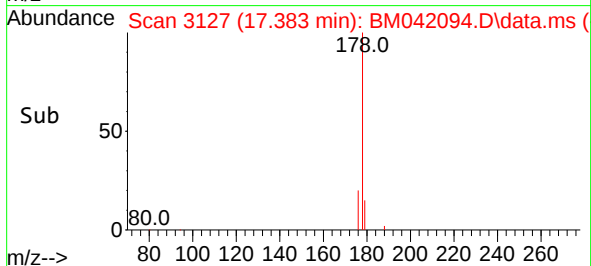
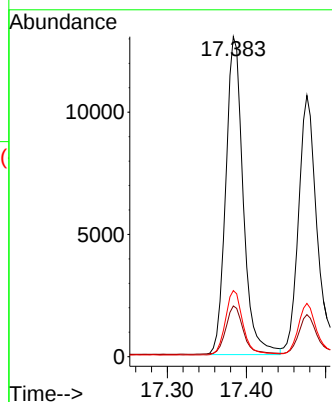
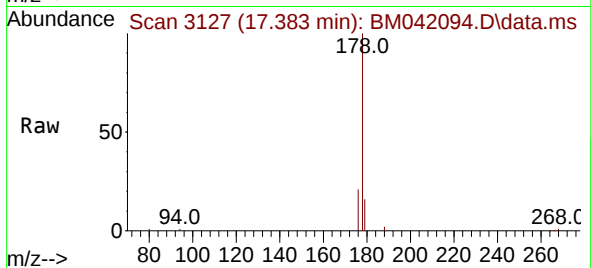
Tgt Ion:178 Resp: 19916

Ion Ratio Lower Upper

178 100

179 15.8 12.7 19.1

176 20.7 16.6 24.8



#16

Anthracene

Concen: 0.402 ng/ul

RT: 17.476 min Scan# 3149

Delta R.T. -0.013 min

Lab File: BM042094.D

Acq: 27 Sep 2023 21:25

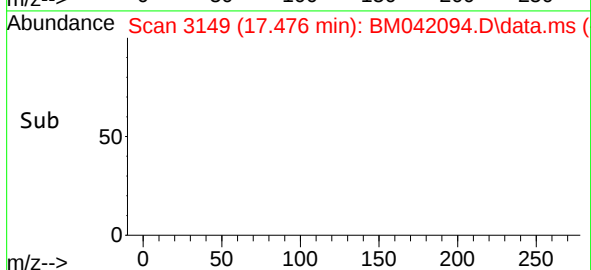
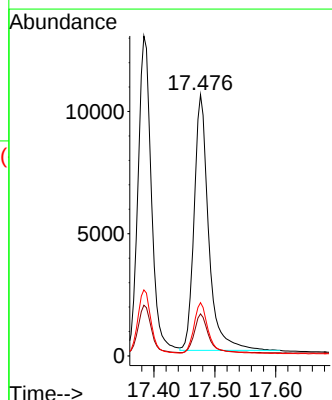
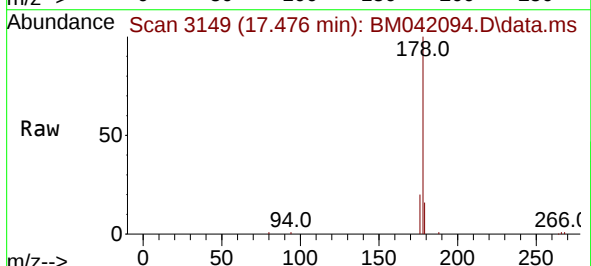
Tgt Ion:178 Resp: 17359

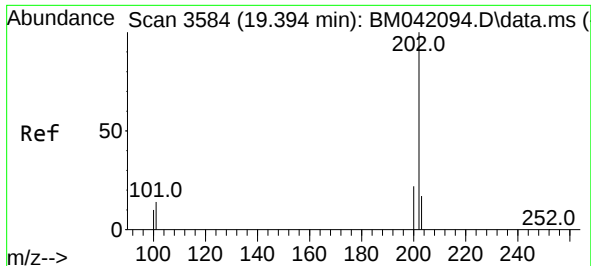
Ion Ratio Lower Upper

178 100

179 16.1 12.9 19.3

176 20.4 16.2 24.2

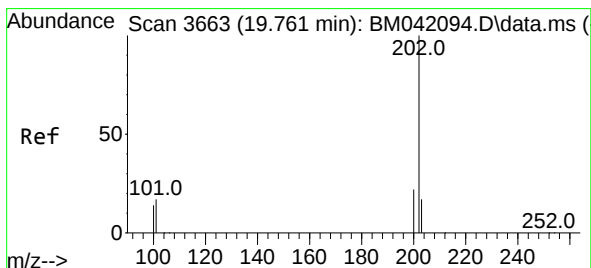
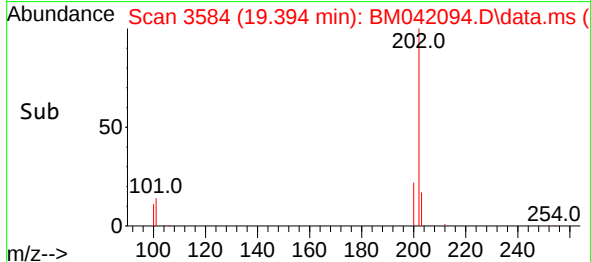
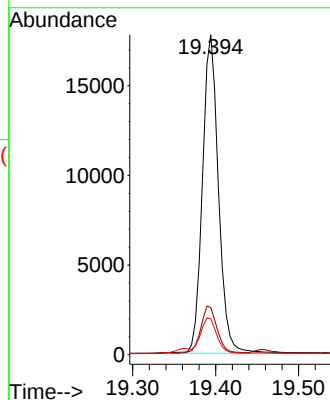
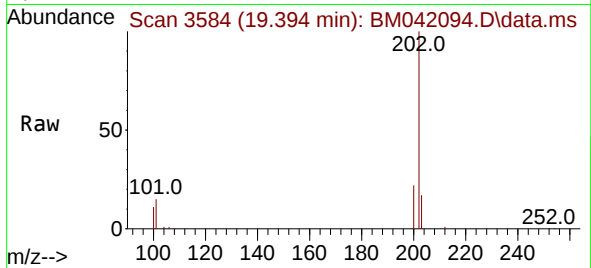




#19
Fluoranthene
Concen: 0.349 ng/ul
RT: 19.394 min Scan# 3584
Delta R.T. -0.009 min
Lab File: BM042094.D
Acq: 27 Sep 2023 21:25

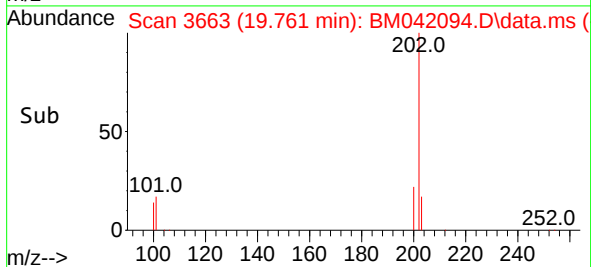
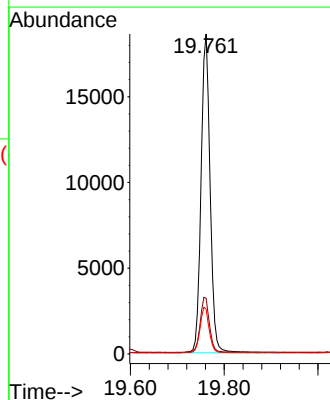
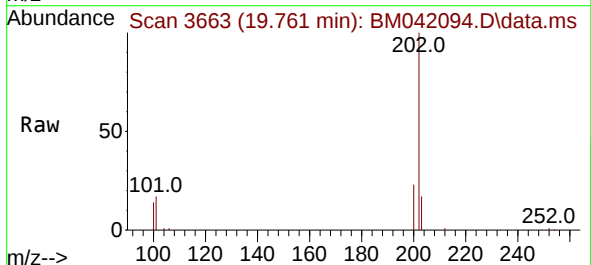
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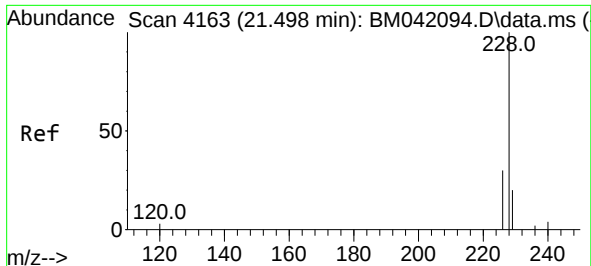
Tgt Ion:202 Resp: 23812
Ion Ratio Lower Upper
202 100
101 14.7 11.8 17.6
100 11.2 9.1 13.7



#20
Pyrene
Concen: 0.370 ng/ul
RT: 19.761 min Scan# 3663
Delta R.T. -0.009 min
Lab File: BM042094.D
Acq: 27 Sep 2023 21:25

Tgt Ion:202 Resp: 24880
Ion Ratio Lower Upper
202 100
101 17.4 14.1 21.1
100 14.0 11.4 17.0

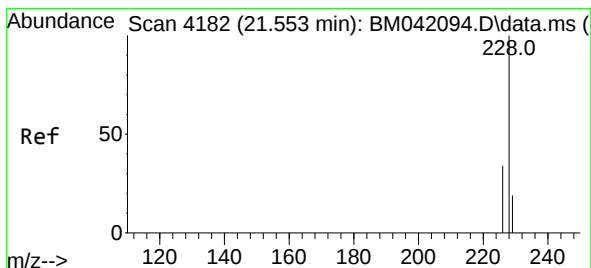
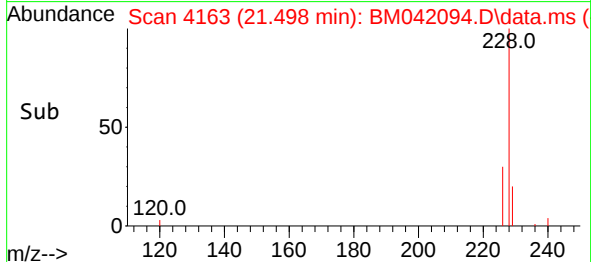
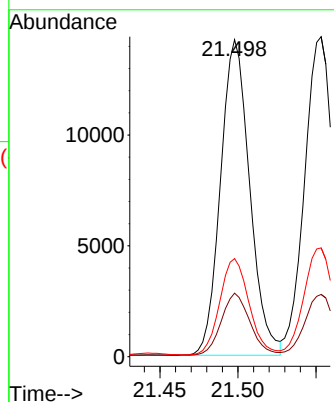
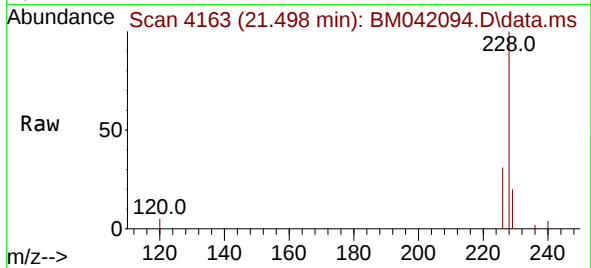




#21
Benzo(a)anthracene
Concen: 0.405 ng/ul
RT: 21.498 min Scan# 4163
Delta R.T. -0.009 min
Lab File: BM042094.D
Acq: 27 Sep 2023 21:25

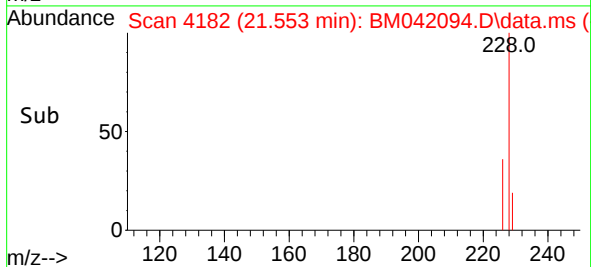
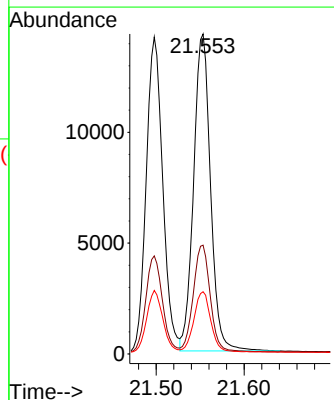
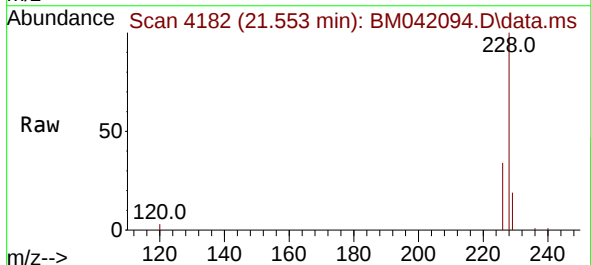
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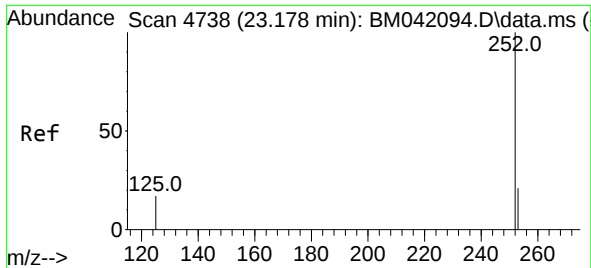
Tgt Ion:228 Resp: 18565
Ion Ratio Lower Upper
228 100
229 20.0 15.5 23.3
226 30.9 24.8 37.2



#22
Chrysene
Concen: 0.403 ng/ul
RT: 21.553 min Scan# 4182
Delta R.T. -0.009 min
Lab File: BM042094.D
Acq: 27 Sep 2023 21:25

Tgt Ion:228 Resp: 19099
Ion Ratio Lower Upper
228 100
226 34.0 27.8 41.6
229 19.5 15.6 23.4

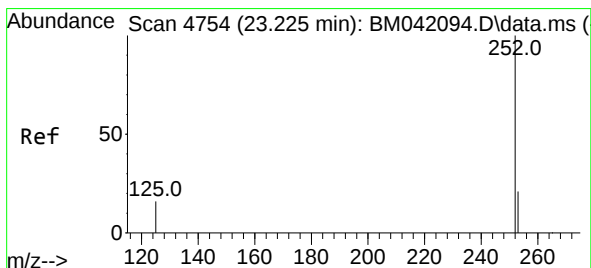
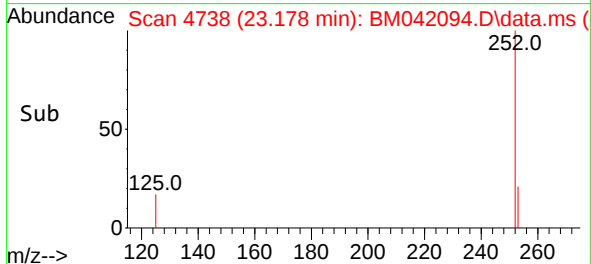
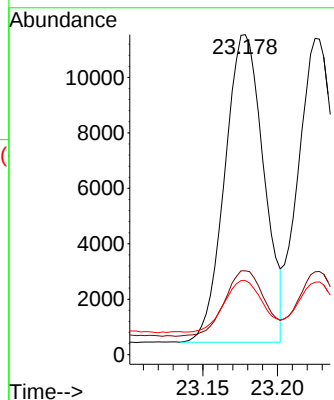
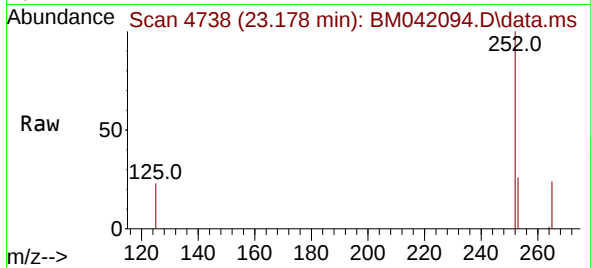




#24
Benzo(b)fluoranthene
Concen: 0.391 ng/ul
RT: 23.178 min Scan# 4738
Delta R.T. -0.012 min
Lab File: BM042094.D
Acq: 27 Sep 2023 21:25

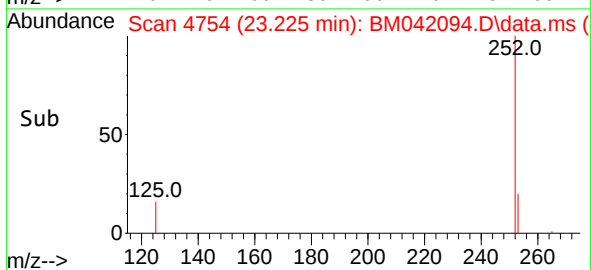
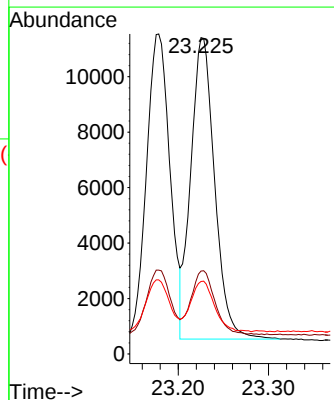
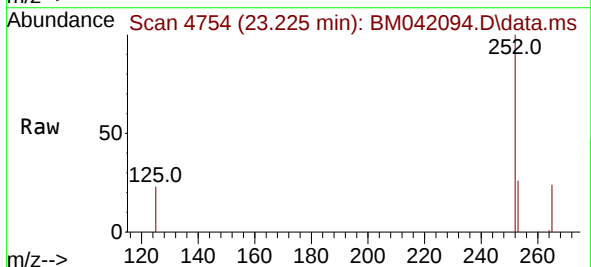
Instrument :
BNA_M
ClientSampleId :
SSTD0.4101

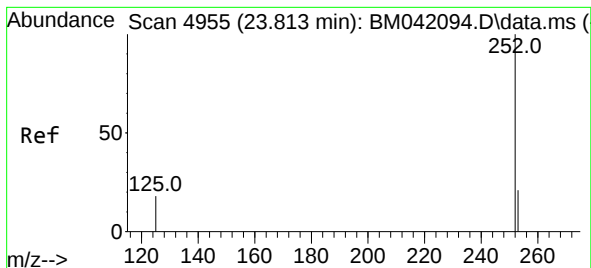
Tgt Ion:252 Resp: 20174
Ion Ratio Lower Upper
252 100
253 26.2 0.0 54.4
125 23.2 0.0 46.2



#25
Benzo(k)fluoranthene
Concen: 0.398 ng/ul
RT: 23.225 min Scan# 4754
Delta R.T. -0.015 min
Lab File: BM042094.D
Acq: 27 Sep 2023 21:25

Tgt Ion:252 Resp: 19984
Ion Ratio Lower Upper
252 100
253 26.2 21.0 31.6
125 22.9 19.0 28.6





#26

Benzo(a)pyrene

Concen: 0.402 ng/ul

RT: 23.813 min Scan# 4955

Delta R.T. -0.015 min

Lab File: BM042094.D

Acq: 27 Sep 2023 21:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.4101

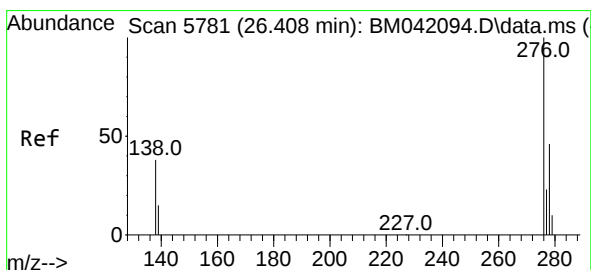
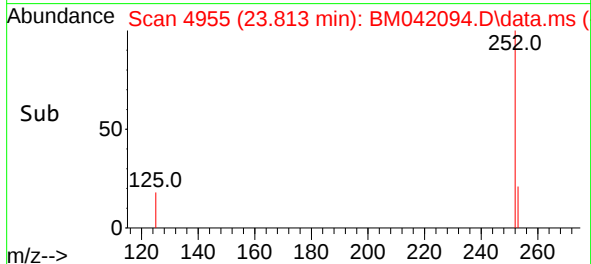
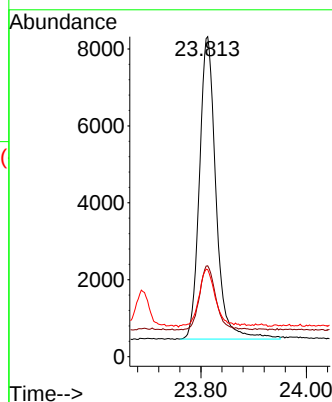
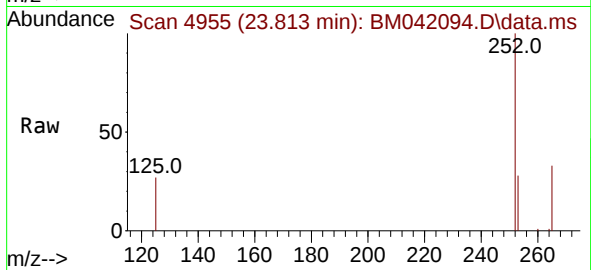
Tgt Ion:252 Resp: 17088

Ion Ratio Lower Upper

252 100

253 28.4 23.2 34.8

125 27.2 22.5 33.7



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.401 ng/ul

RT: 26.408 min Scan# 5781

Delta R.T. -0.023 min

Lab File: BM042094.D

Acq: 27 Sep 2023 21:25

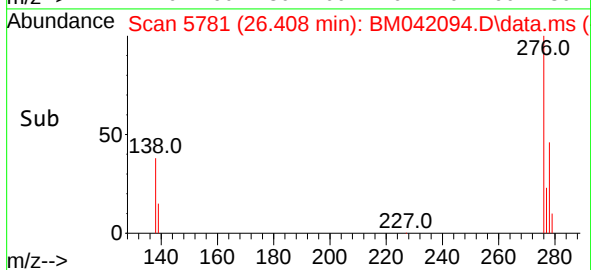
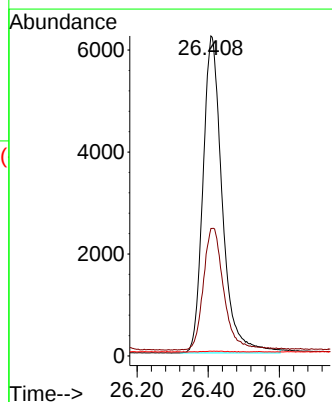
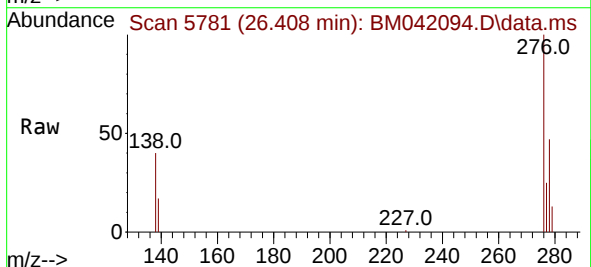
Tgt Ion:276 Resp: 23361

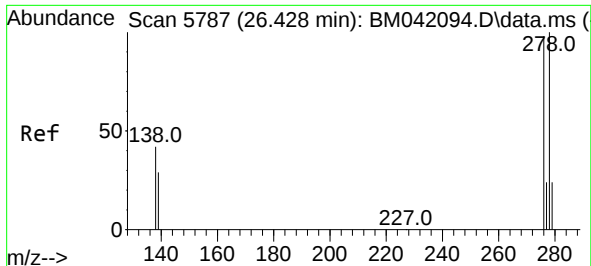
Ion Ratio Lower Upper

276 100

138 40.5 32.1 48.1

227 0.0 0.2 0.2#

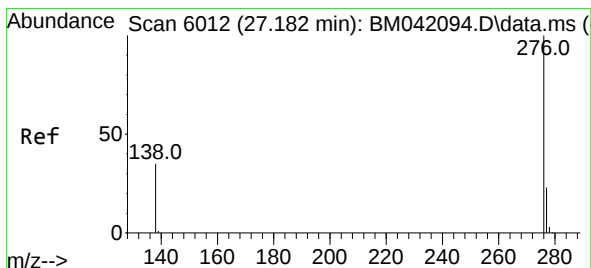
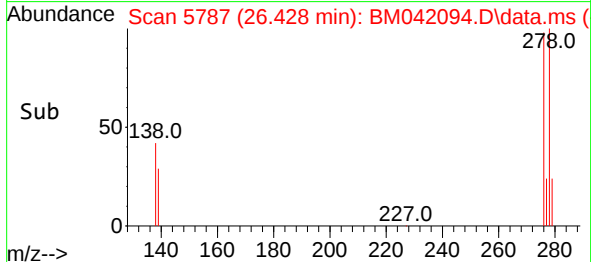
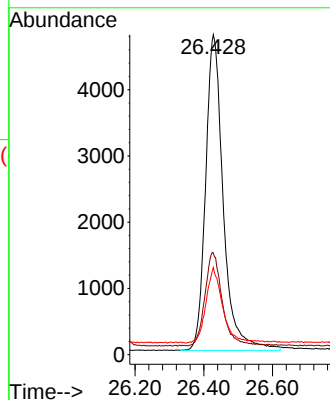
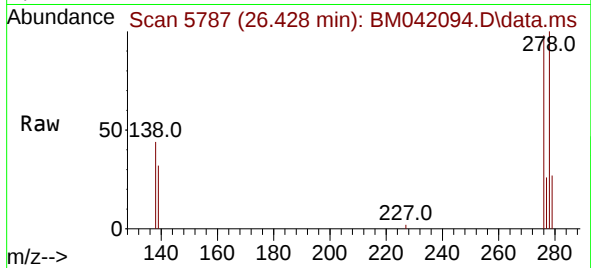




#28
Dibenzo(a,h)anthracene
Concen: 0.402 ng/ul
RT: 26.428 min Scan# 5787
Delta R.T. -0.023 min
Lab File: BM042094.D
Acq: 27 Sep 2023 21:25

Instrument :
BNA_M
ClientSampleId :
SSTD0.4101

Tgt Ion:278 Resp: 16953
Ion Ratio Lower Upper
278 100
139 31.8 25.0 37.6
279 27.2 21.7 32.5



#29
Benzo(g,h,i)perylene
Concen: 0.405 ng/ul
RT: 27.182 min Scan# 6012
Delta R.T. -0.027 min
Lab File: BM042094.D
Acq: 27 Sep 2023 21:25

Tgt Ion:276 Resp: 19841
Ion Ratio Lower Upper
276 100
138 36.6 29.0 43.4
277 24.4 19.6 29.4

