

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042623\
 Data File : BM039671.D
 Acq On : 26 Apr 2023 10:39
 Operator : CG/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4083

Quant Time: Apr 27 01:02:12 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM040623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 26 19:06:24 2023
 Response via : Initial Calibration

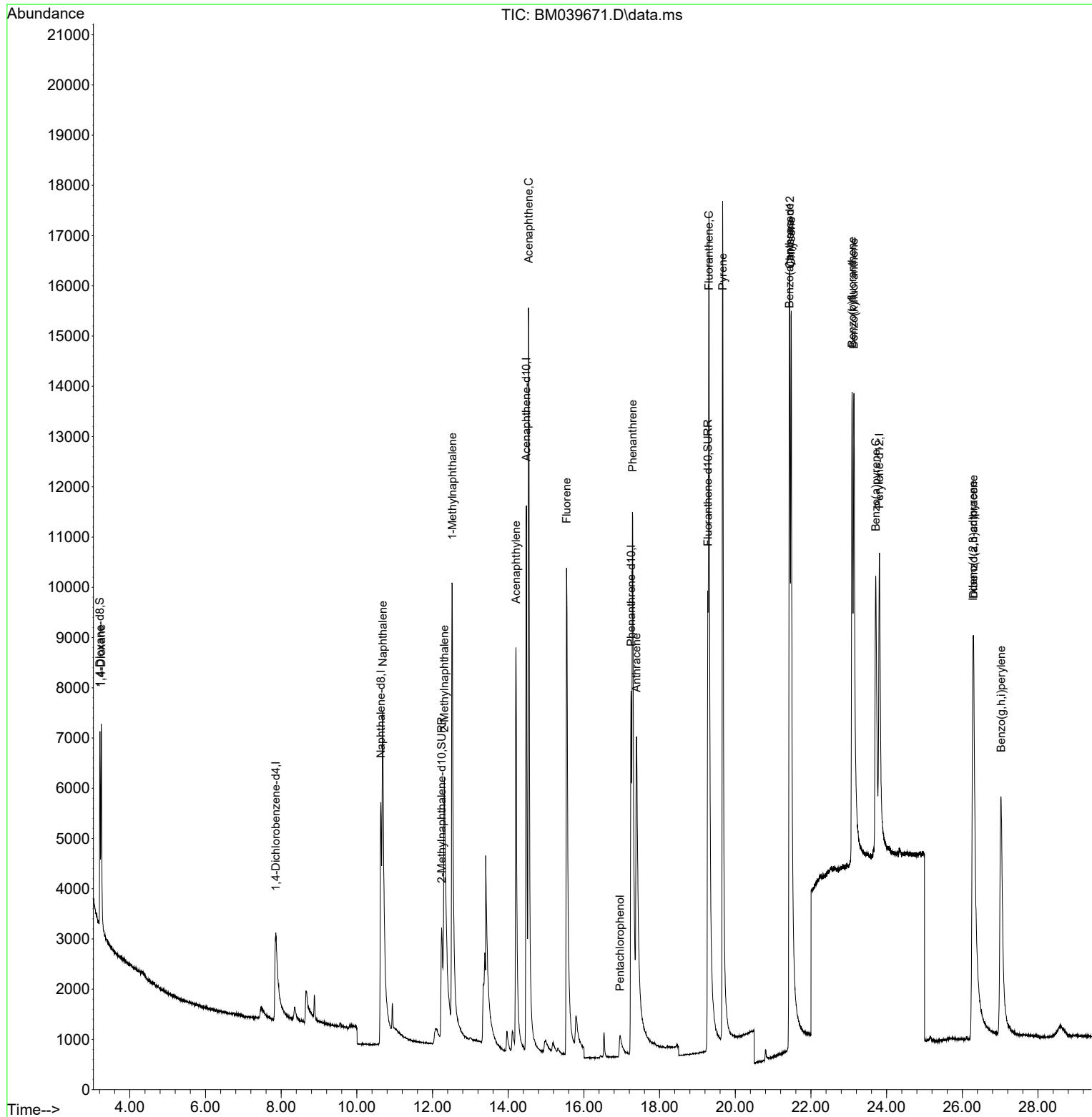
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.855	152	2995	0.400	ng/ul	0.00
4) Naphthalene-d8	10.634	136	14964	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.478	164	8635	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.246	188	15014	0.400	ng/ul	0.00
17) Chrysene-d12	21.440	240	13047	0.400	ng/ul	# 0.00
23) Perylene-d12	23.811	264	10694	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	2566	0.463	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.239	152	8375	0.484	ng/ul	0.00
18) Fluoranthene-d10	19.276	212	16582	0.408	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.248	88	2639	0.445	ng/ul	96
5) Naphthalene	10.683	128	16031	0.450	ng/ul	99
7) 2-Methylnaphthalene	12.311	142	9197	0.460	ng/ul	97
8) 1-Methylnaphthalene	12.520	142	10099	0.446	ng/ul	99
10) Acenaphthylene	14.205	152	15920	0.475	ng/ul	99
11) Acenaphthene	14.539	153	12270	0.465	ng/ul	99
12) Fluorene	15.542	166	12815	0.488	ng/ul	98
14) Pentachlorophenol	16.951	266	955	0.267	ng/ul#	82
15) Phenanthrene	17.288	178	18091	0.434	ng/ul	99
16) Anthracene	17.390	178	14440	0.455	ng/ul	98
19) Fluoranthene	19.304	202	21407	0.396	ng/ul	99
20) Pyrene	19.666	202	24250	0.392	ng/ul	99
21) Benzo(a)anthracene	21.429	228	14060	0.467	ng/ul	99
22) Chrysene	21.478	228	18232	0.494	ng/ul	100
24) Benzo(b)fluoranthene	23.089	252	15745	0.464	ng/ul	92
25) Benzo(k)fluoranthene	23.135	252	15844	0.490	ng/ul#	93
26) Benzo(a)pyrene	23.711	252	14962	0.438	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	26.281	276	18654	0.433	ng/ul	99
28) Dibenzo(a,h)anthracene	26.298	278	14347	0.476	ng/ul	94
29) Benzo(g,h,i)perylene	27.023	276	16691	0.404	ng/ul	99

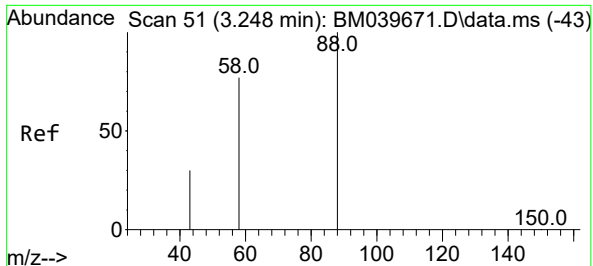
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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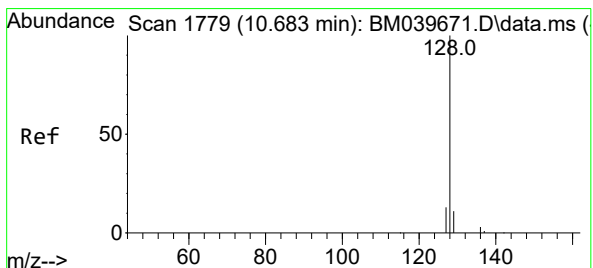
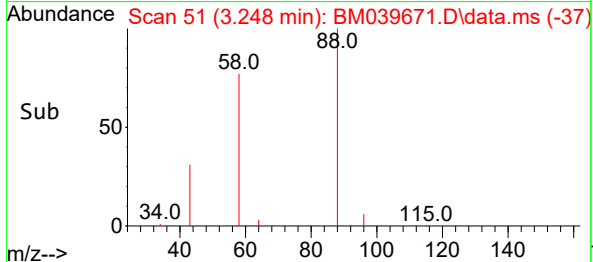
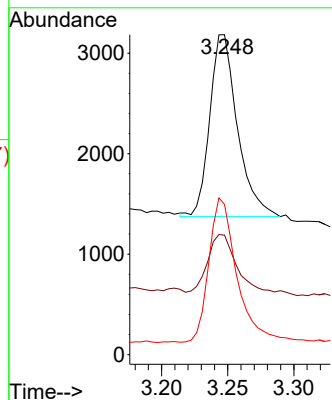
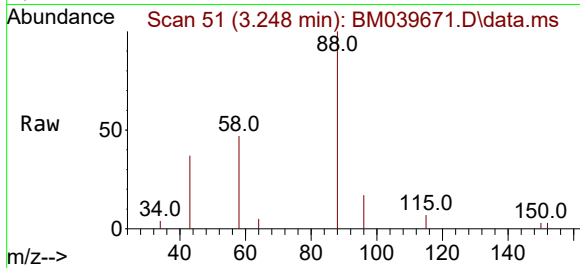




#2
1,4-Dioxane
Concen: 0.445 ng/ul
RT: 3.248 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM039671.D
Acq: 26 Apr 2023 10:39

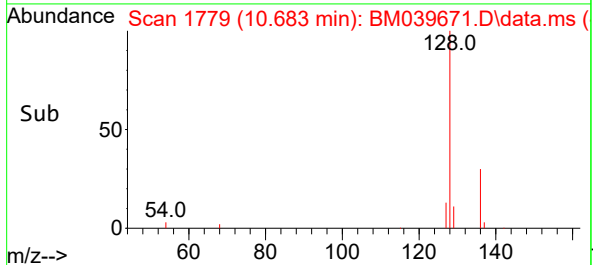
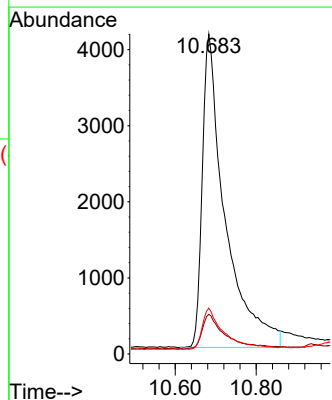
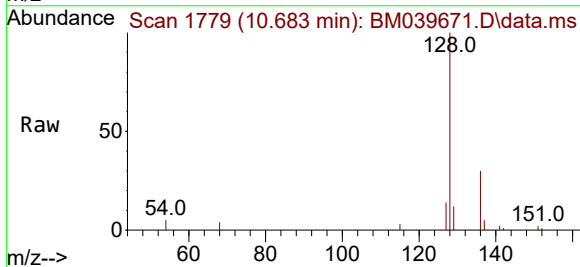
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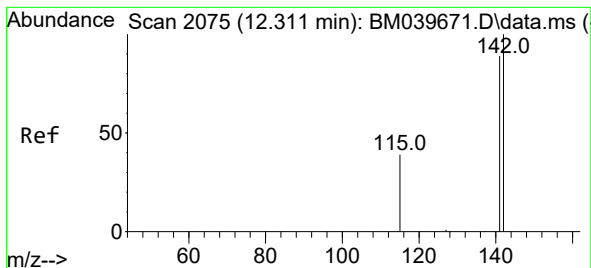
Tgt Ion: 88 Resp: 2639
Ion Ratio Lower Upper
88 100
43 37.3 30.6 45.8
58 46.9 34.1 51.1



#5
Naphthalene
Concen: 0.450 ng/ul
RT: 10.683 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM039671.D
Acq: 26 Apr 2023 10:39

Tgt Ion: 128 Resp: 16031
Ion Ratio Lower Upper
128 100
129 12.4 10.1 15.1
127 14.3 11.0 16.4

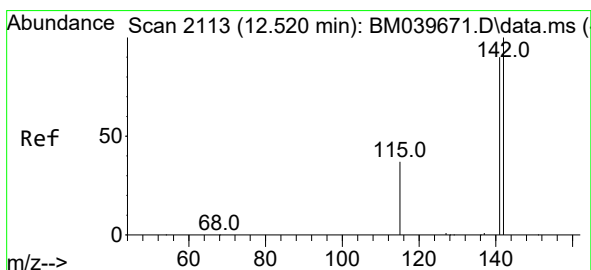
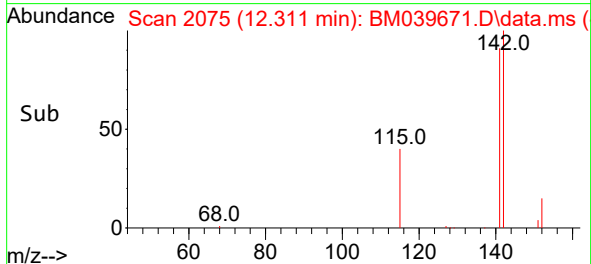
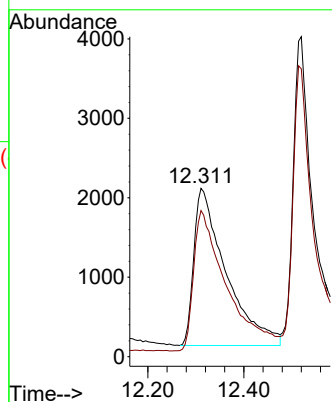
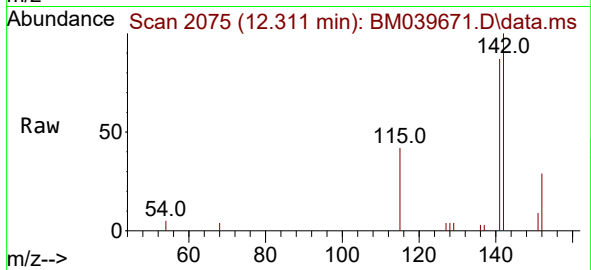




#7
2-Methylnaphthalene
Concen: 0.460 ng/ul
RT: 12.311 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BM039671.D
Acq: 26 Apr 2023 10:39

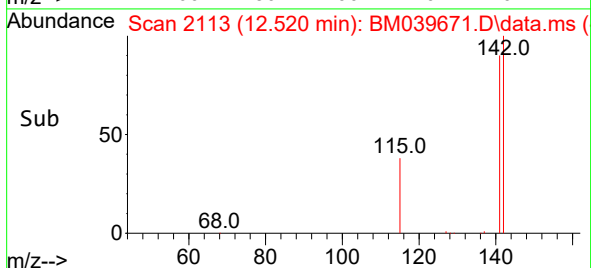
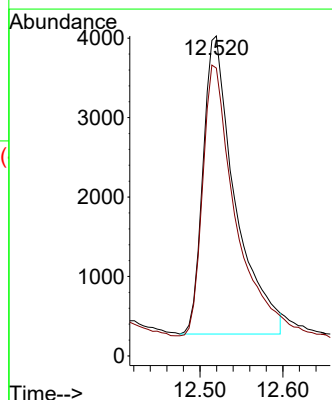
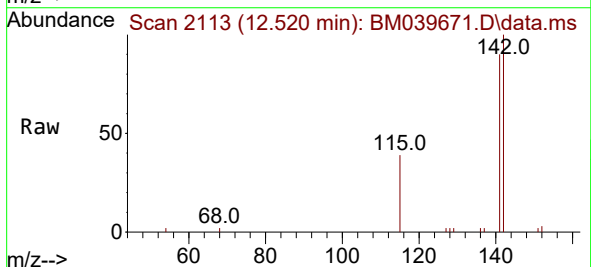
Instrument :
BNA_M
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SSTD0.4083

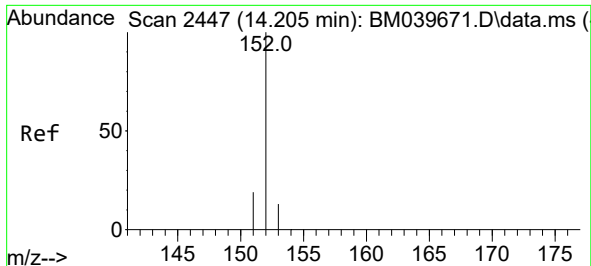
Tgt Ion:142 Resp: 9197
Ion Ratio Lower Upper
142 100
141 92.7 71.8 107.6



#8
1-Methylnaphthalene
Concen: 0.446 ng/ul
RT: 12.520 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BM039671.D
Acq: 26 Apr 2023 10:39

Tgt Ion:142 Resp: 10099
Ion Ratio Lower Upper
142 100
141 91.3 72.6 109.0

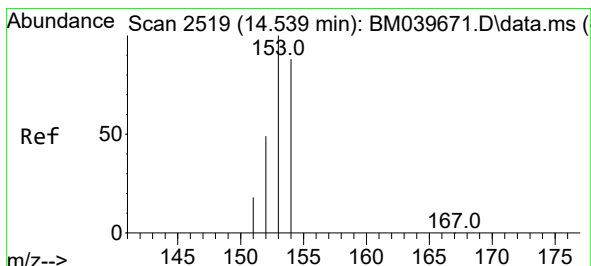
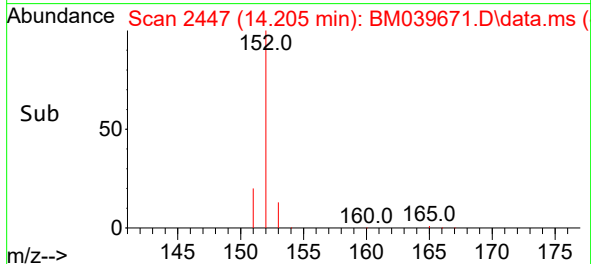
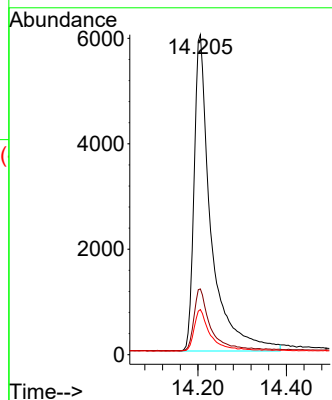
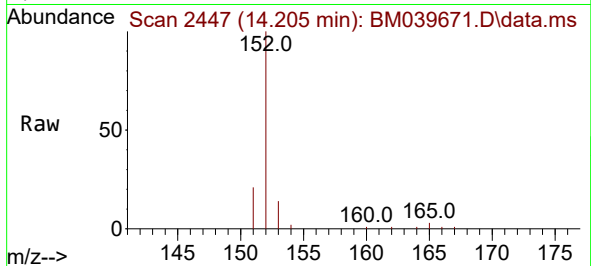




#10
Acenaphthylene
Concen: 0.475 ng/ul
RT: 14.205 min Scan# 2447
Delta R.T. 0.000 min
Lab File: BM039671.D
Acq: 26 Apr 2023 10:39

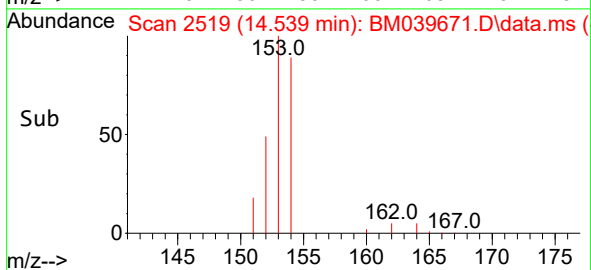
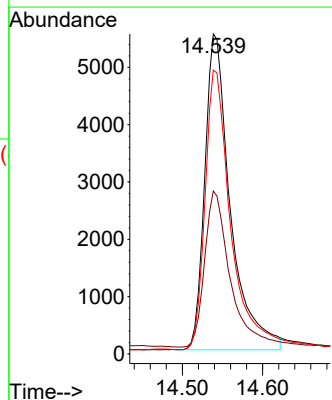
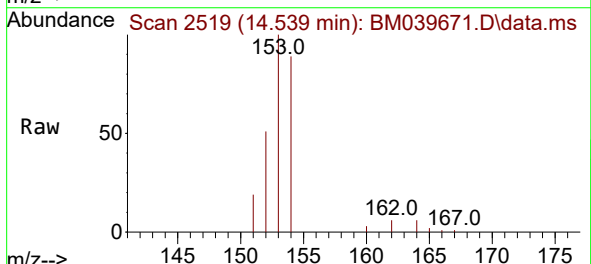
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BNA_M
ClientSampleId :
SSTD0.4083

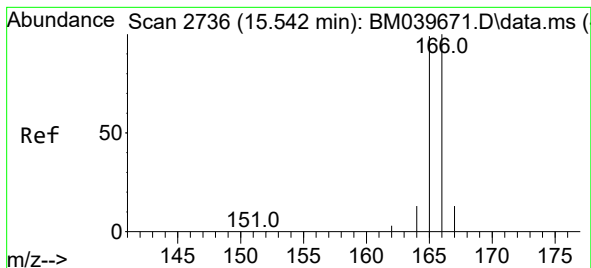
Tgt Ion:152 Resp: 15920
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.4
153 14.1 11.6 17.4



#11
Acenaphthene
Concen: 0.465 ng/ul
RT: 14.539 min Scan# 2519
Delta R.T. 0.000 min
Lab File: BM039671.D
Acq: 26 Apr 2023 10:39

Tgt Ion:153 Resp: 12270
Ion Ratio Lower Upper
153 100
152 51.0 40.3 60.5
154 88.7 71.5 107.3





#12

Fluorene

Concen: 0.488 ng/ul

RT: 15.542 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039671.D

Acq: 26 Apr 2023 10:39

Instrument :

BNA_M

ClientSampleId :

SSTD0.4083

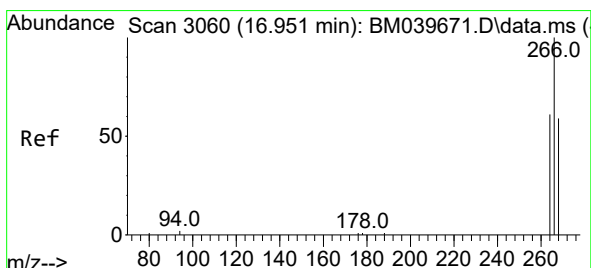
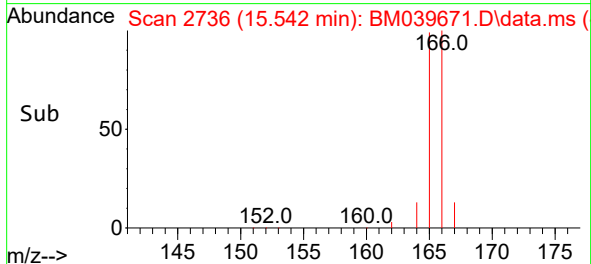
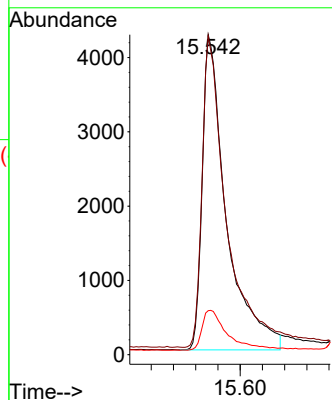
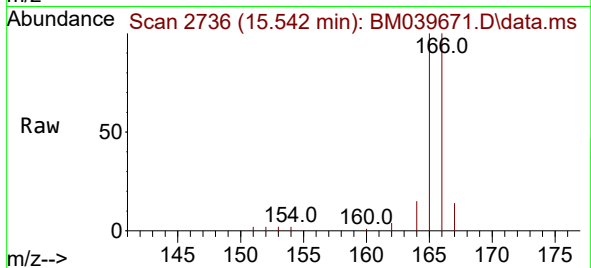
Tgt Ion:166 Resp: 12815

Ion Ratio Lower Upper

166 100

165 99.7 77.8 116.8

167 13.8 11.8 17.6



#14

Pentachlorophenol

Concen: 0.267 ng/ul

RT: 16.951 min Scan# 3060

Delta R.T. 0.000 min

Lab File: BM039671.D

Acq: 26 Apr 2023 10:39

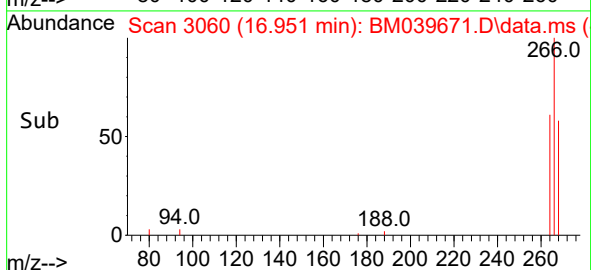
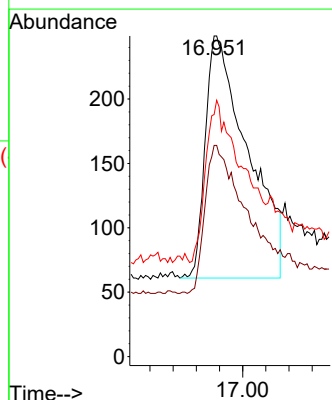
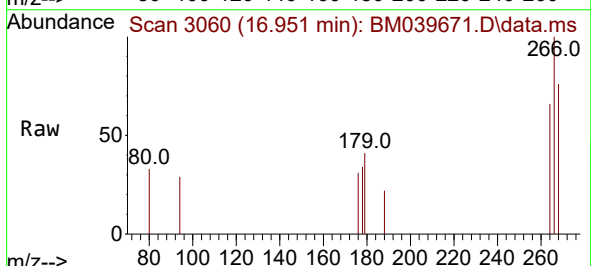
Tgt Ion:266 Resp: 955

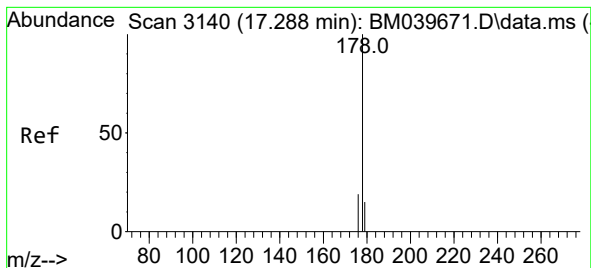
Ion Ratio Lower Upper

266 100

264 61.0 39.6 59.4#

268 66.5 42.4 63.6#





#15

Phenanthrene

Concen: 0.434 ng/ul

RT: 17.288 min Scan# 3140

Delta R.T. 0.000 min

Lab File: BM039671.D

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BNA_M

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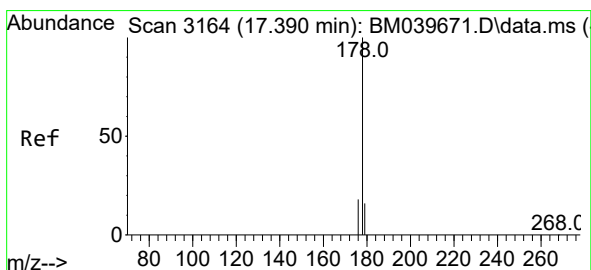
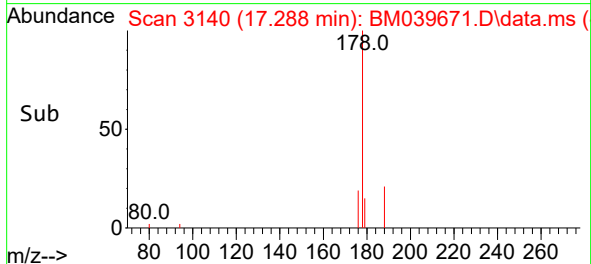
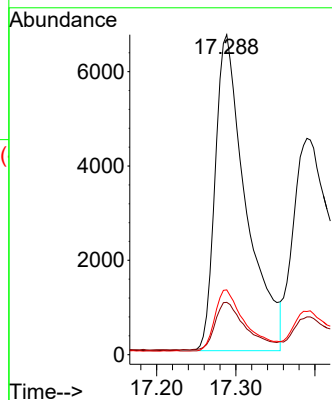
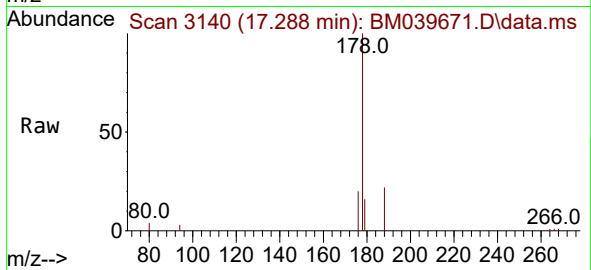
Tgt Ion:178 Resp: 18091

Ion Ratio Lower Upper

178 100

179 16.3 13.4 20.2

176 20.3 15.8 23.6



#16

Anthracene

Concen: 0.455 ng/ul

RT: 17.390 min Scan# 3164

Delta R.T. 0.000 min

Lab File: BM039671.D

Acq: 26 Apr 2023 10:39

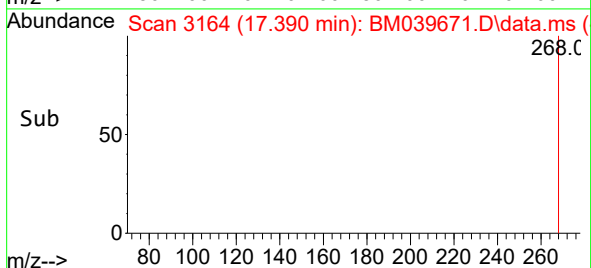
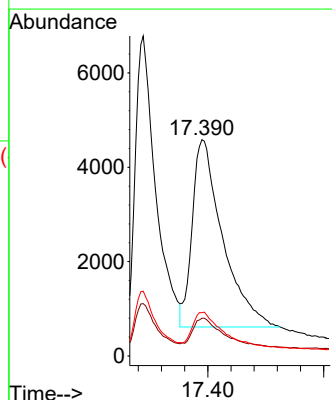
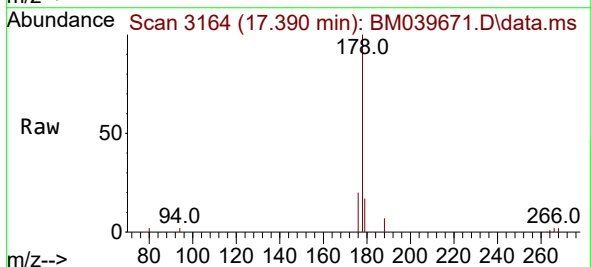
Tgt Ion:178 Resp: 14440

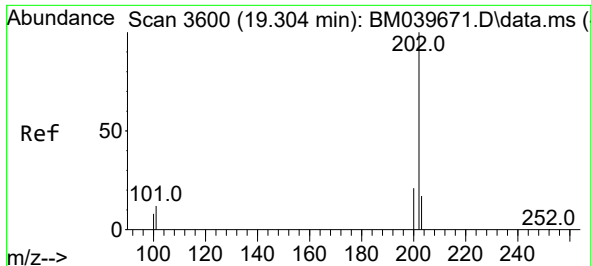
Ion Ratio Lower Upper

178 100

179 17.5 14.6 21.8

176 20.0 16.6 24.8

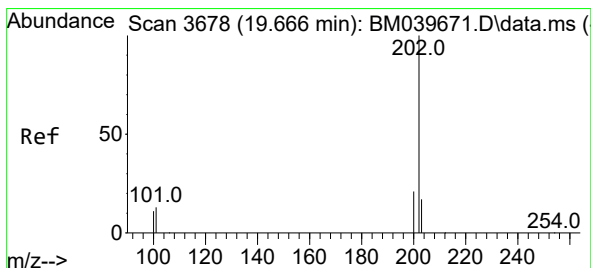
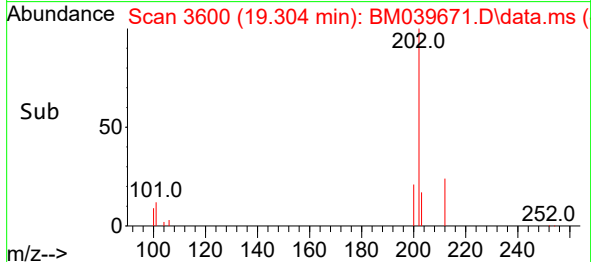
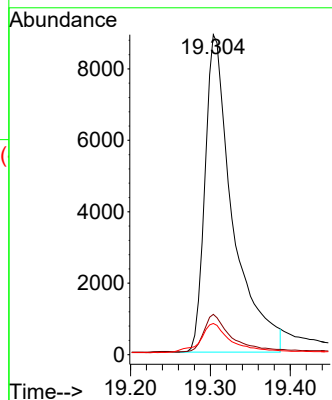
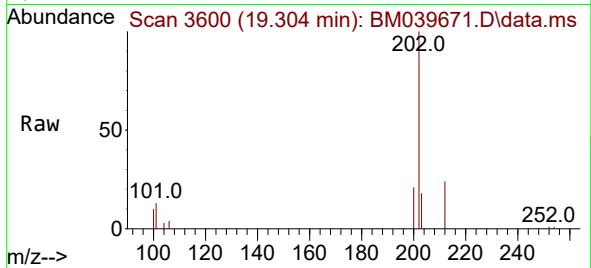




#19
Fluoranthene
Concen: 0.396 ng/ul
RT: 19.304 min Scan# 3600
Delta R.T. 0.000 min
Lab File: BM039671.D
Acq: 26 Apr 2023 10:39

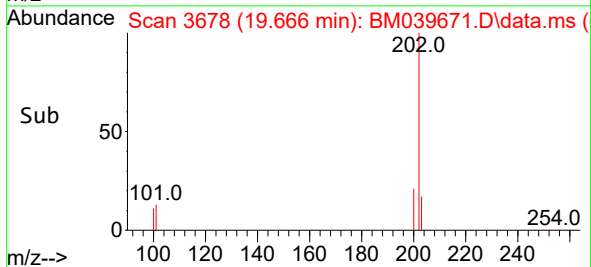
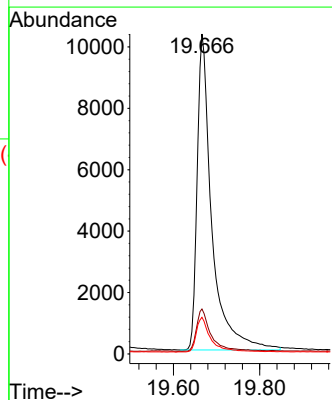
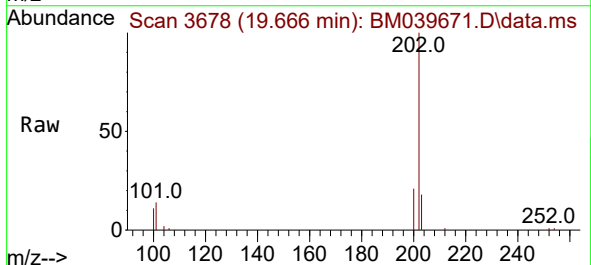
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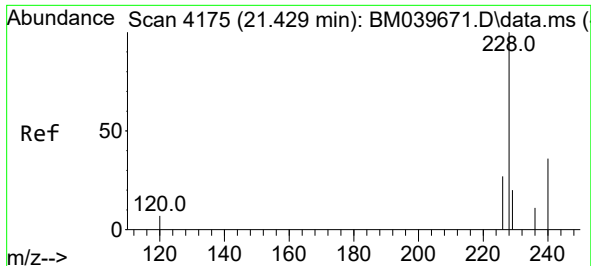
Tgt Ion:202 Resp: 21407
Ion Ratio Lower Upper
202 100
101 12.6 9.7 14.5
100 9.8 7.4 11.0



#20
Pyrene
Concen: 0.392 ng/ul
RT: 19.666 min Scan# 3678
Delta R.T. 0.000 min
Lab File: BM039671.D
Acq: 26 Apr 2023 10:39

Tgt Ion:202 Resp: 24250
Ion Ratio Lower Upper
202 100
101 14.1 11.1 16.7
100 11.4 8.8 13.2

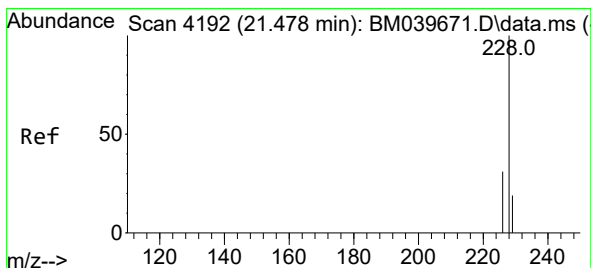
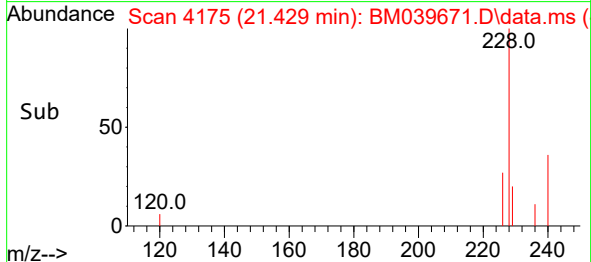
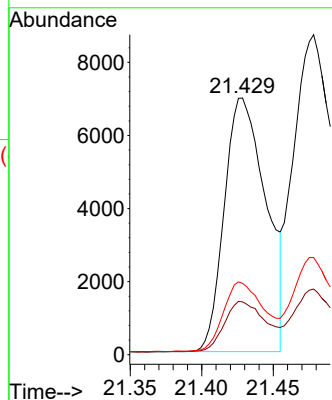
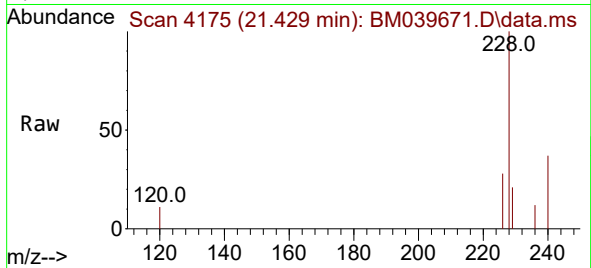




#21
Benzo(a)anthracene
Concen: 0.467 ng/ul
RT: 21.429 min Scan# 4175
Delta R.T. 0.000 min
Lab File: BM039671.D
Acq: 26 Apr 2023 10:39

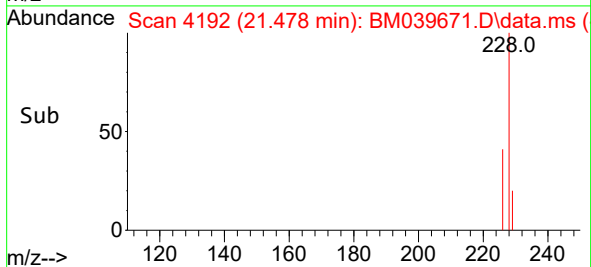
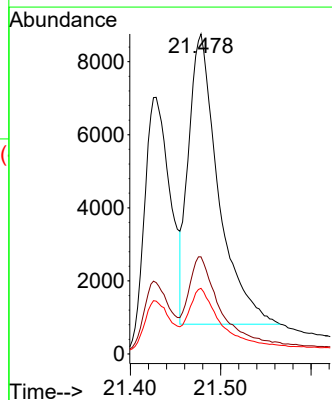
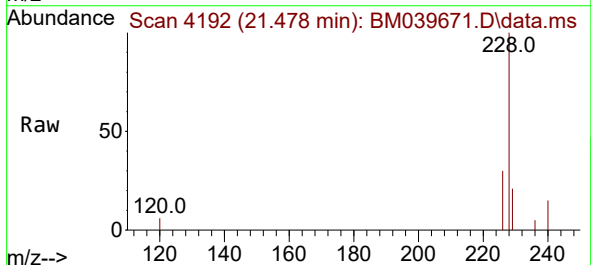
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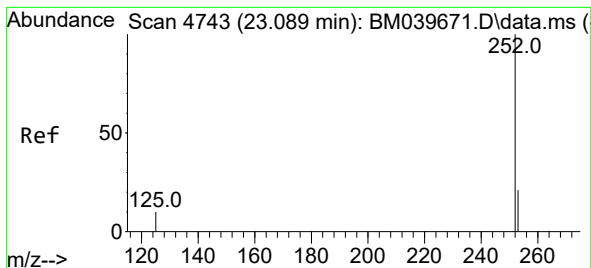
Tgt Ion:228 Resp: 14060
Ion Ratio Lower Upper
228 100
229 20.6 16.6 24.8
226 27.8 22.6 34.0



#22
Chrysene
Concen: 0.494 ng/ul
RT: 21.478 min Scan# 4192
Delta R.T. 0.000 min
Lab File: BM039671.D
Acq: 26 Apr 2023 10:39

Tgt Ion:228 Resp: 18232
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 20.5 16.2 24.4





#24

Benzo(b)fluoranthene

Concen: 0.464 ng/ul

RT: 23.089 min Scan# 4743

Delta R.T. 0.000 min

Lab File: BM039671.D

Acq: 26 Apr 2023 10:39

Instrument :

BNA_M

ClientSampleId :

SSTD0.4083

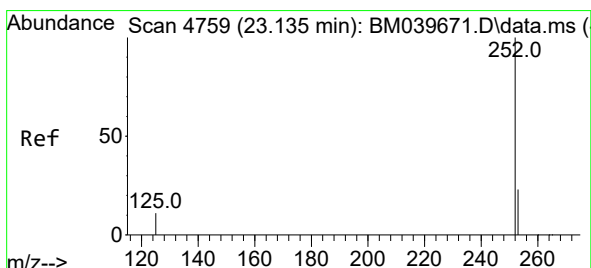
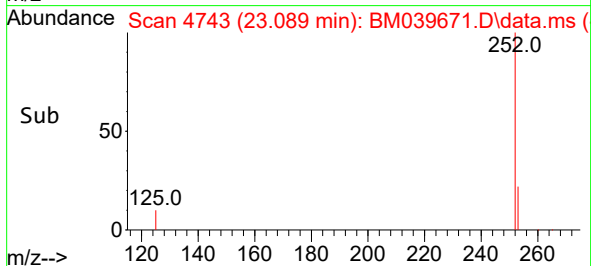
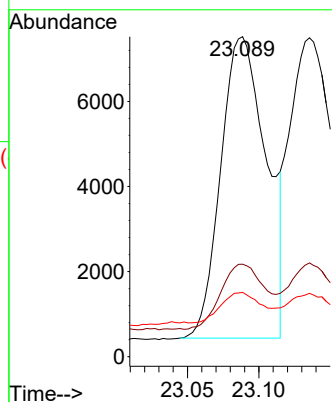
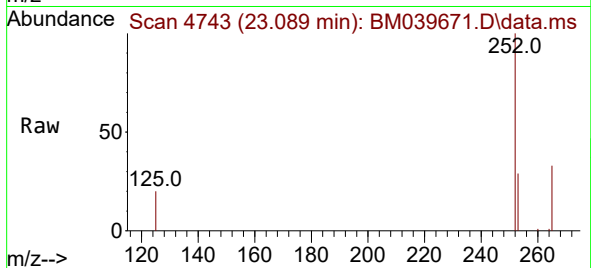
Tgt Ion:252 Resp: 15745

Ion Ratio Lower Upper

252 100

253 28.9 0.0 64.4

125 20.1 0.0 50.4



#25

Benzo(k)fluoranthene

Concen: 0.490 ng/ul

RT: 23.135 min Scan# 4759

Delta R.T. 0.000 min

Lab File: BM039671.D

Acq: 26 Apr 2023 10:39

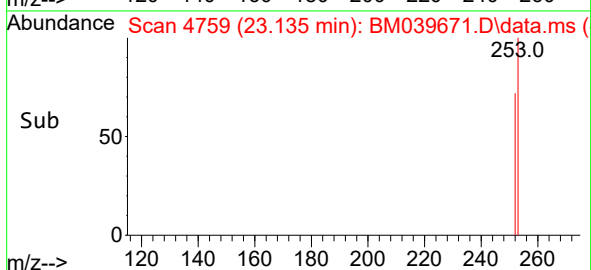
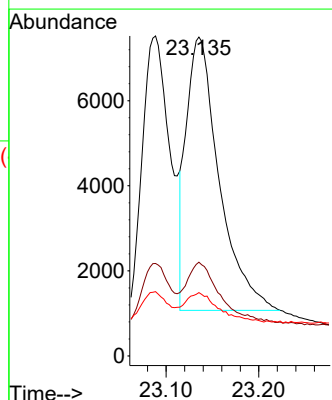
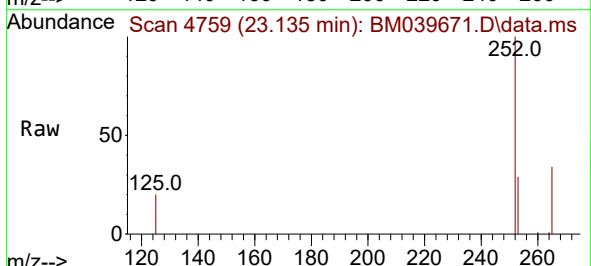
Tgt Ion:252 Resp: 15844

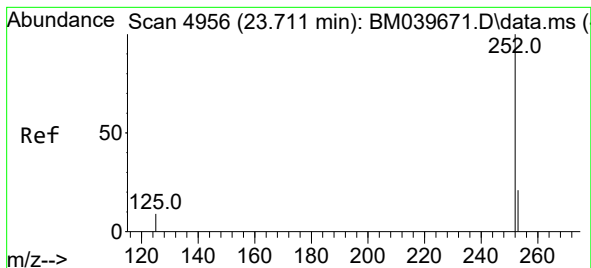
Ion Ratio Lower Upper

252 100

253 29.4 25.5 38.3

125 19.9 20.4 30.6#





#26

Benzo(a)pyrene

Concen: 0.438 ng/ul

RT: 23.711 min Scan# 4956

Delta R.T. 0.000 min

Lab File: BM039671.D

Acq: 26 Apr 2023 10:39

Instrument :

BNA_M

ClientSampleId :

SSTD0.4083

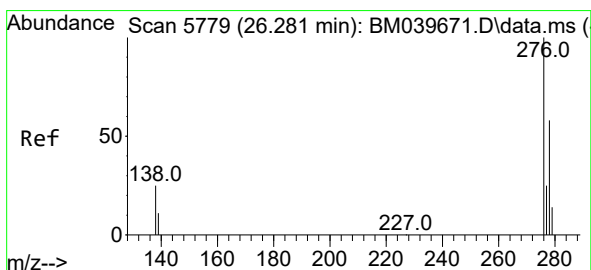
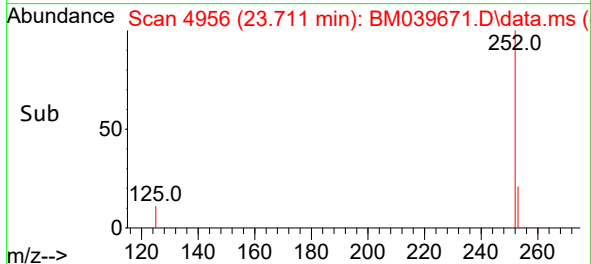
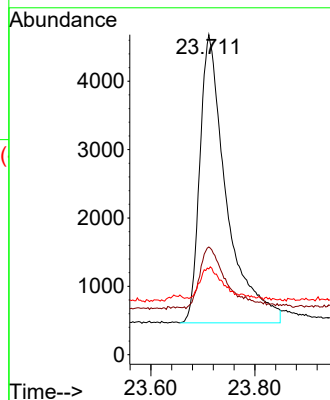
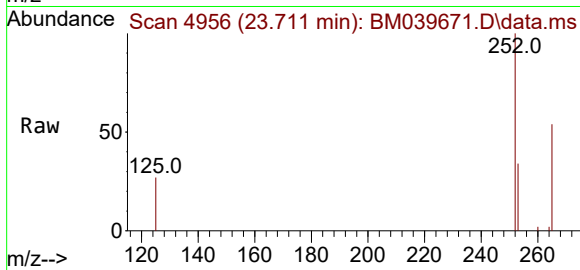
Tgt Ion:252 Resp: 14962

Ion Ratio Lower Upper

252 100

253 33.6 31.0 46.4

125 26.8 28.2 42.4#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.433 ng/ul

RT: 26.281 min Scan# 5779

Delta R.T. 0.000 min

Lab File: BM039671.D

Acq: 26 Apr 2023 10:39

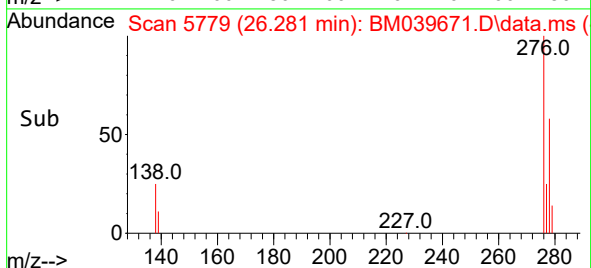
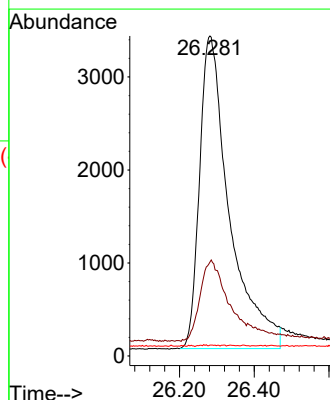
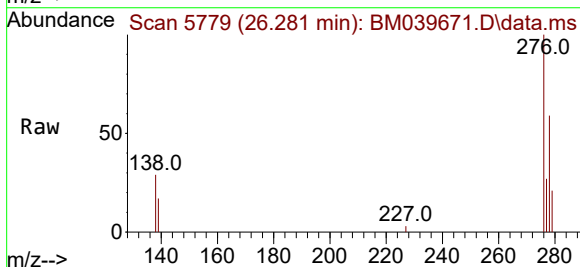
Tgt Ion:276 Resp: 18654

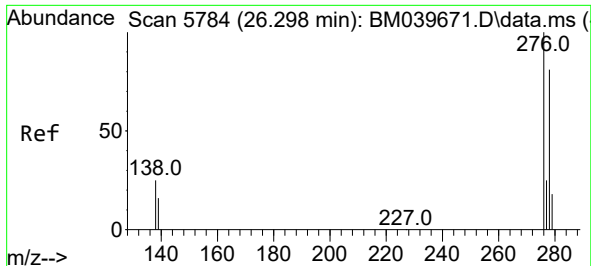
Ion Ratio Lower Upper

276 100

138 27.1 21.4 32.0

227 0.1 0.1 0.1

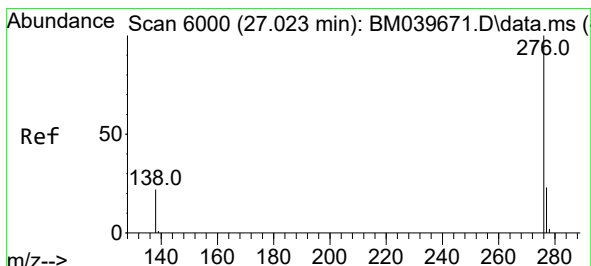
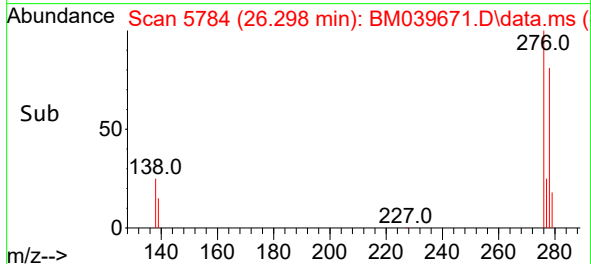
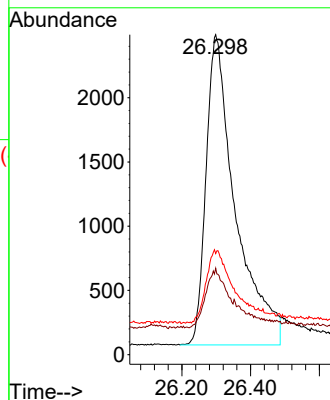
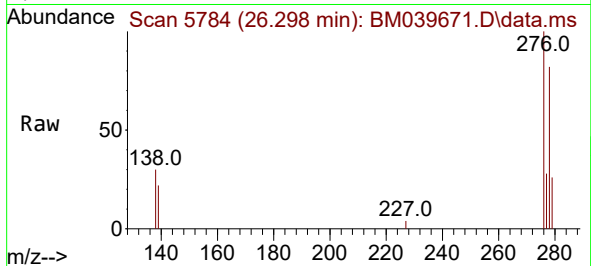




#28
Dibenzo(a,h)anthracene
Concen: 0.476 ng/ul
RT: 26.298 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM039671.D
Acq: 26 Apr 2023 10:39

Instrument :
BNA_M
ClientSampleId :
SSTD0.4083

Tgt Ion:	278	Resp:	14347
Ion Ratio	Lower	Upper	
278	100		
139	27.0	21.8	32.6
279	31.6	30.0	45.0



#29
Benzo(g,h,i)perylene
Concen: 0.404 ng/ul
RT: 27.023 min Scan# 6000
Delta R.T. 0.000 min
Lab File: BM039671.D
Acq: 26 Apr 2023 10:39

Tgt Ion:	276	Resp:	16691
Ion Ratio	Lower	Upper	
276	100		
138	26.9	22.2	33.2
277	26.2	21.2	31.8

