

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082423\
 Data File : BM041464.D
 Acq On : 24 Aug 2023 14:15
 Operator : MA/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SICV049

Quant Time: Aug 24 18:36:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM082423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 24 18:34:12 2023
 Response via : Initial Calibration

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

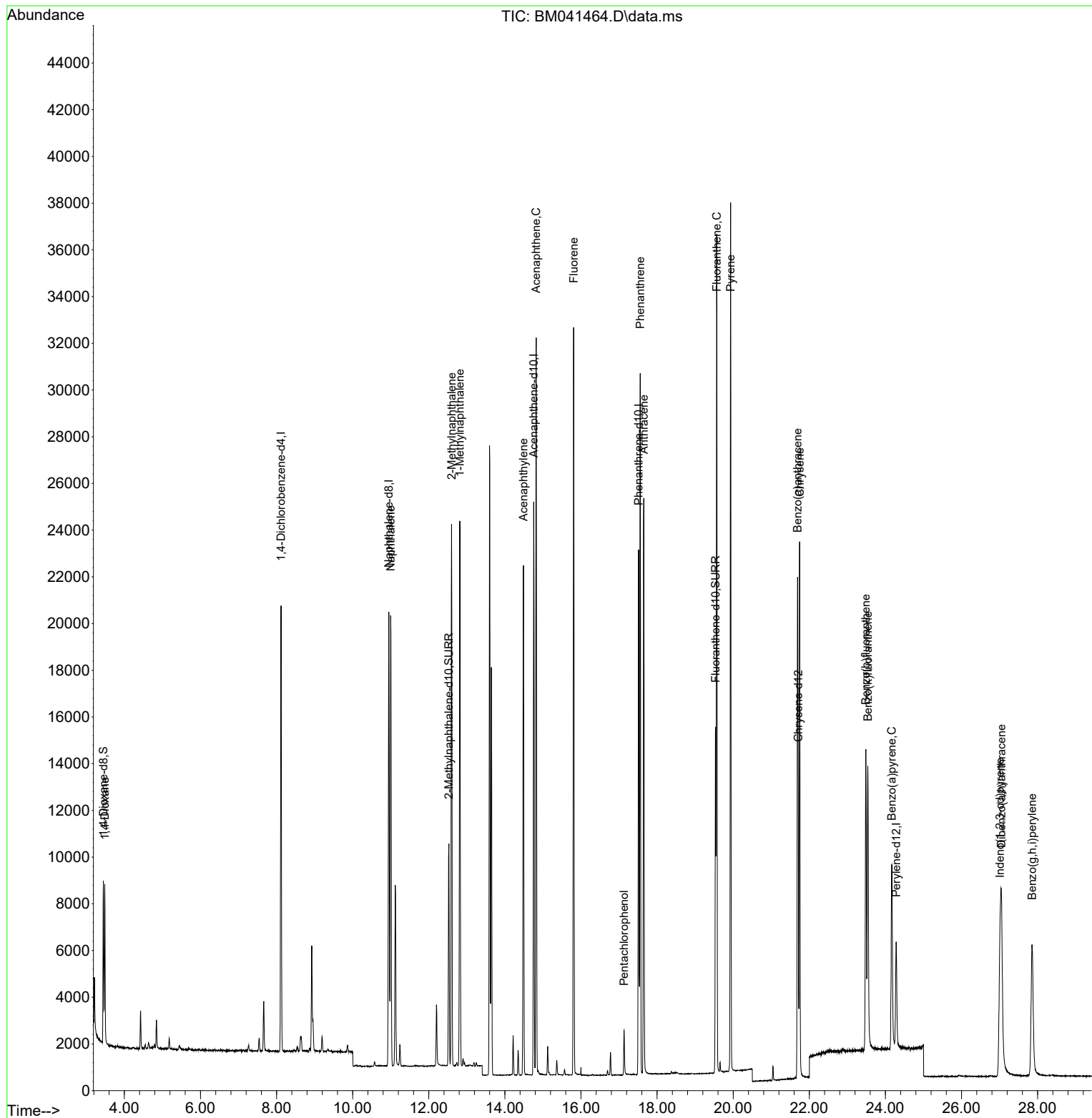
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.118	152	9388	0.400	ng/ul	0.00
4) Naphthalene-d8	10.950	136	25651	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.759	164	12115	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.515	188	23767	0.400	ng/ul	0.00
17) Chrysene-d12	21.708	240	7604	0.400	ng/ul	0.00
23) Perylene-d12	24.284	264	6551	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.448	96	4034	0.340	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.528	152	11740	0.347	ng/ul	0.00
18) Fluoranthene-d10	19.538	212	13446	0.401	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.486	88	4326	0.354	ng/ul	94
5) Naphthalene	10.999	128	26286	0.344	ng/ul	100
7) 2-Methylnaphthalene	12.599	142	15778	0.344	ng/ul	99
8) 1-Methylnaphthalene	12.814	142	16012	0.343	ng/ul	99
10) Acenaphthylene	14.486	152	24202	0.333	ng/ul	100
11) Acenaphthene	14.823	153	17391	0.344	ng/ul	98
12) Fluorene	15.809	166	19595	0.346	ng/ul	99
14) Pentachlorophenol	17.135	266	1326	0.296	ng/ul	98
15) Phenanthrene	17.557	178	30446	0.349	ng/ul	100
16) Anthracene	17.650	178	26294	0.331	ng/ul	100
19) Fluoranthene	19.566	202	29183	0.418	ng/ul	99
20) Pyrene	19.933	202	29160	0.414	ng/ul	99
21) Benzo(a)anthracene	21.691	228	17911	0.362	ng/ul	99
22) Chrysene	21.746	228	20383	0.381	ng/ul	100
24) Benzo(b)fluoranthene	23.486	252	17688	0.394	ng/ul	98
25) Benzo(k)fluoranthene	23.538	252	17747	0.395	ng/ul	98
26) Benzo(a)pyrene	24.167	252	14077	0.382	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.011	276	16141	0.350	ng/ul#	97
28) Dibenzo(a,h)anthracene	27.048	278	12230	0.347	ng/ul	99
29) Benzo(g,h,i)perylene	27.853	276	14523	0.358	ng/ul	98

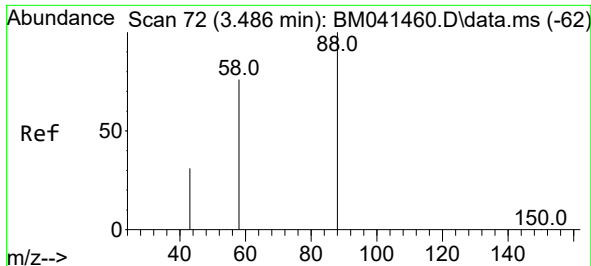
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2
1,4-Dioxane

Concen: 0.354 ng/ul

RT: 3.486 min Scan# 72

Delta R.T. 0.000 min

Lab File: BM041464.D

Acq: 24 Aug 2023 14:15

Instrument :

BNA_M

ClientSampleId :

SICV049

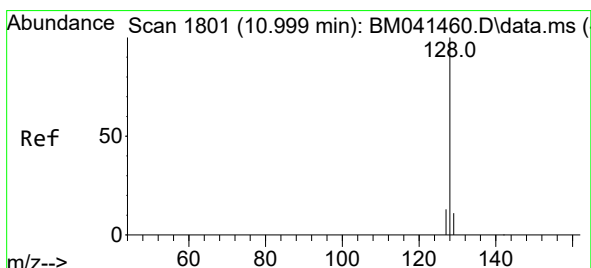
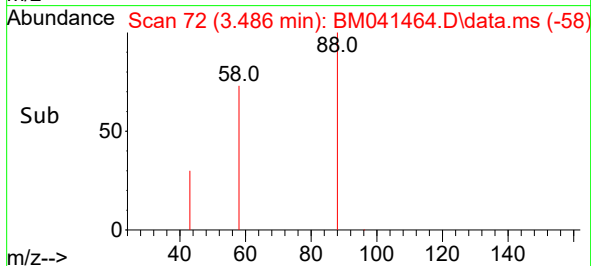
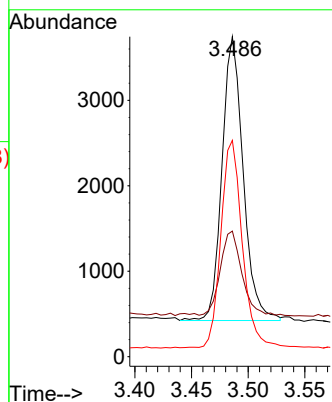
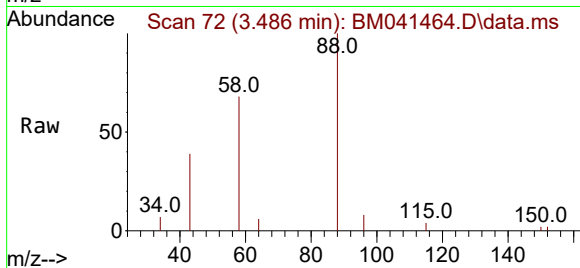
Tgt Ion: 88 Resp: 4326

Ion Ratio Lower Upper

88 100

43 39.3 35.4 53.2

58 67.6 57.3 85.9



#5

Naphthalene

Concen: 0.344 ng/ul

RT: 10.999 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BM041464.D

Acq: 24 Aug 2023 14:15

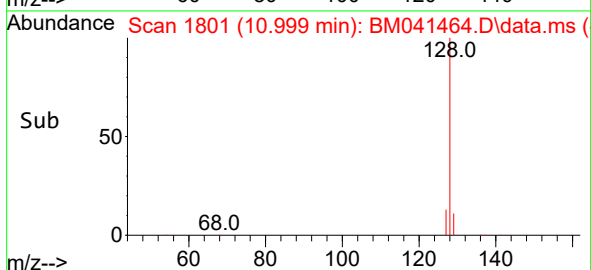
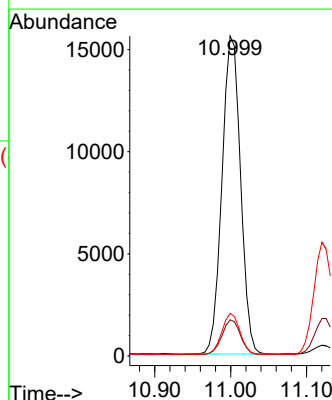
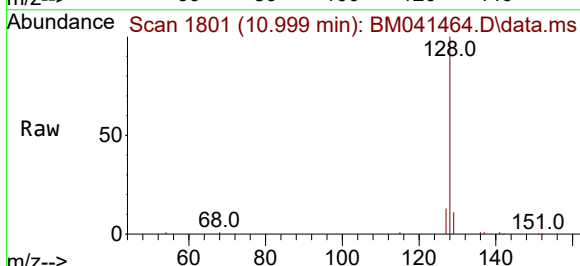
Tgt Ion: 128 Resp: 26286

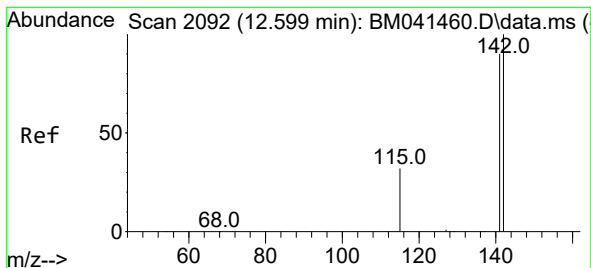
Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

127 13.3 10.6 15.8

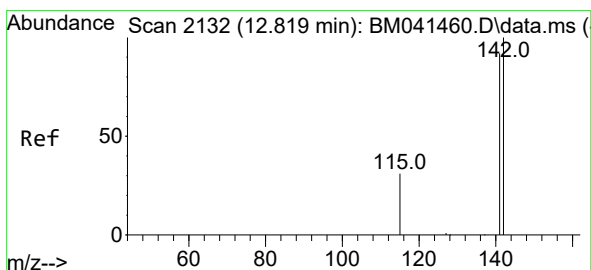
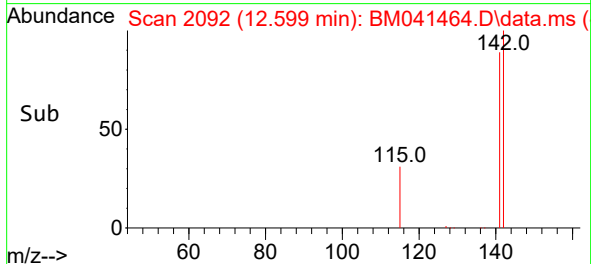
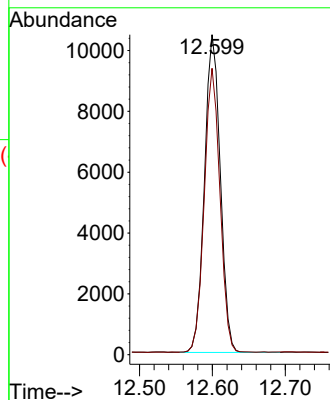
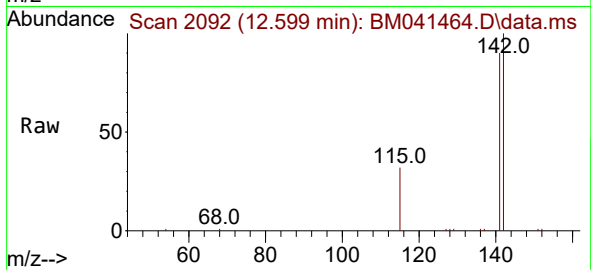




#7
2-Methylnaphthalene
Concen: 0.344 ng/ul
RT: 12.599 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BM041464.D
Acq: 24 Aug 2023 14:15

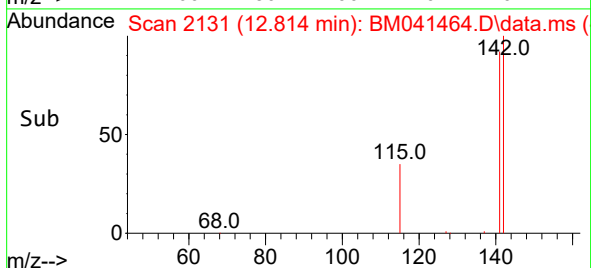
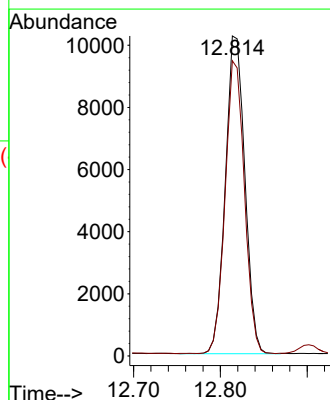
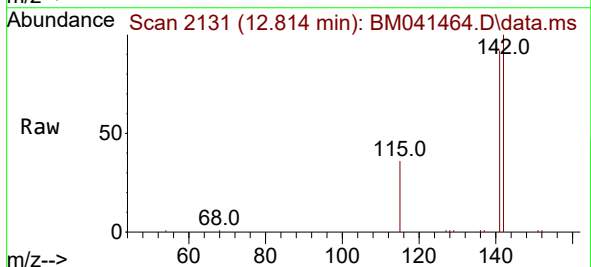
Instrument :
BNA_M
ClientSampleId :
SICV049

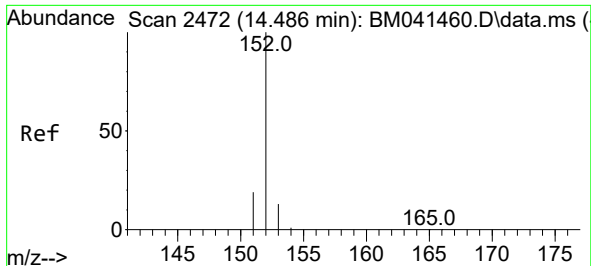
Tgt Ion:142 Resp: 15778
Ion Ratio Lower Upper
142 100
141 88.4 71.1 106.7



#8
1-Methylnaphthalene
Concen: 0.343 ng/ul
RT: 12.814 min Scan# 2131
Delta R.T. -0.005 min
Lab File: BM041464.D
Acq: 24 Aug 2023 14:15

Tgt Ion:142 Resp: 16012
Ion Ratio Lower Upper
142 100
141 91.0 73.4 110.2

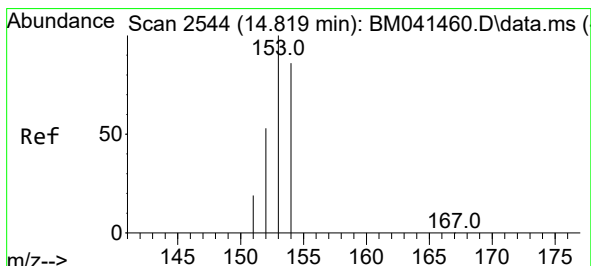
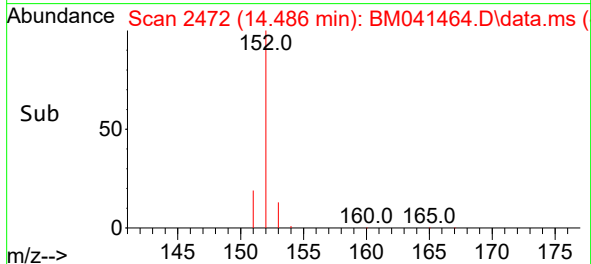
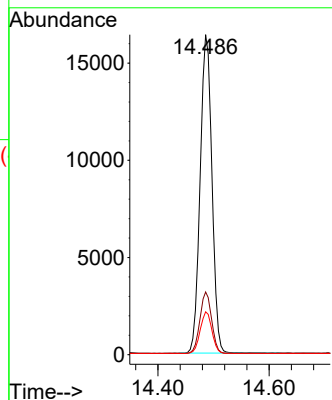
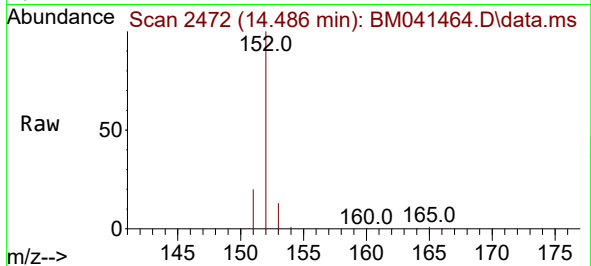




#10
Acenaphthylene
Concen: 0.333 ng/ul
RT: 14.486 min Scan# 2472
Delta R.T. 0.000 min
Lab File: BM041464.D
Acq: 24 Aug 2023 14:15

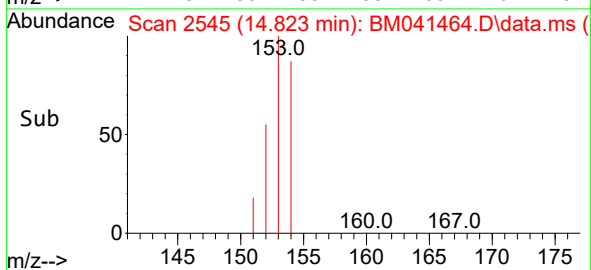
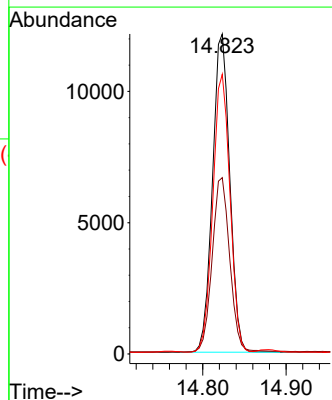
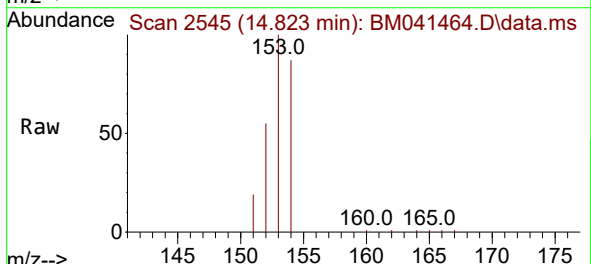
Instrument :
BNA_M
ClientSampleId :
SICV049

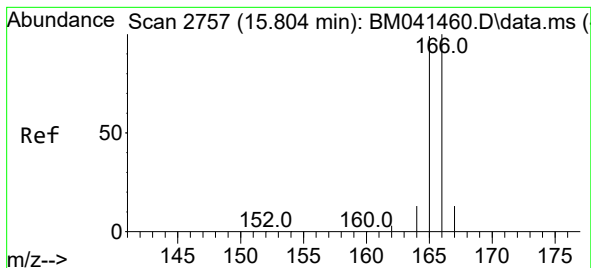
Tgt Ion:152	Resp:	24202
Ion Ratio	Lower	Upper
152	100	
151	19.6	15.8 23.6
153	13.4	10.6 15.8



#11
Acenaphthene
Concen: 0.344 ng/ul
RT: 14.823 min Scan# 2545
Delta R.T. 0.005 min
Lab File: BM041464.D
Acq: 24 Aug 2023 14:15

Tgt Ion:153	Resp:	17391
Ion Ratio	Lower	Upper
153	100	
152	55.1	42.9 64.3
154	87.4	68.9 103.3





#12

Fluorene

Concen: 0.346 ng/ul

RT: 15.809 min Scan# 21

Delta R.T. 0.005 min

Lab File: BM041464.D

Acq: 24 Aug 2023 14:15

Instrument :

BNA_M

ClientSampleId :

SICV049

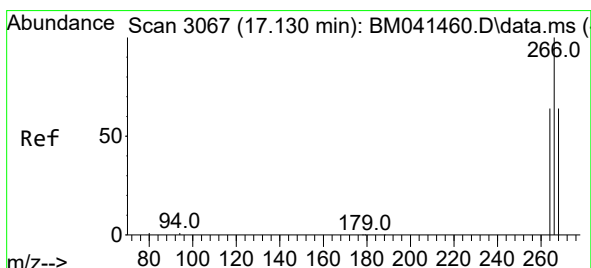
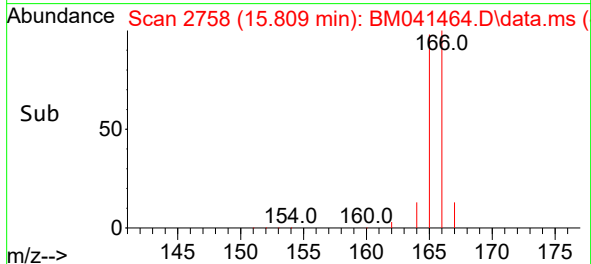
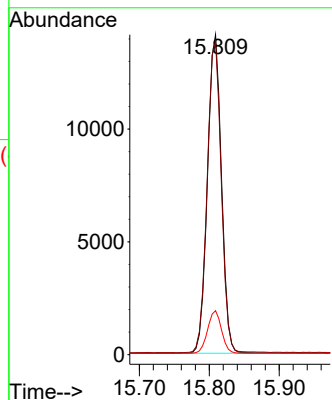
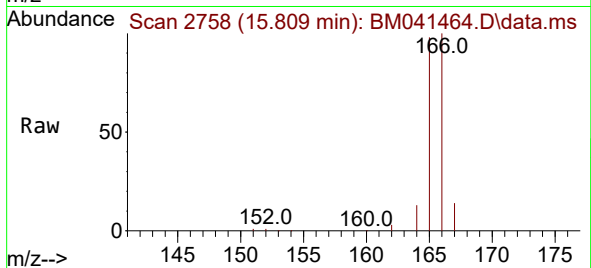
Tgt Ion:166 Resp: 19595

Ion Ratio Lower Upper

166 100

165 97.9 79.4 119.2

167 13.8 11.0 16.6



#14

Pentachlorophenol

Concen: 0.296 ng/ul

RT: 17.135 min Scan# 3068

Delta R.T. 0.004 min

Lab File: BM041464.D

Acq: 24 Aug 2023 14:15

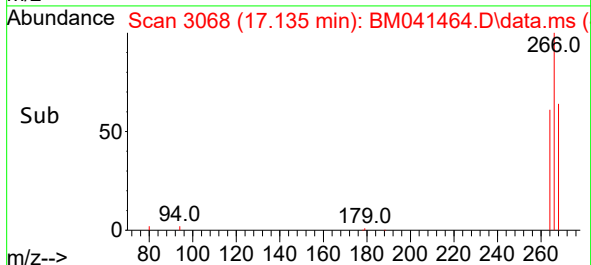
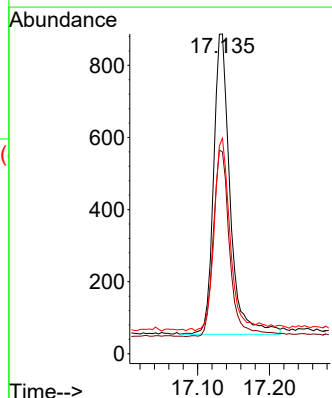
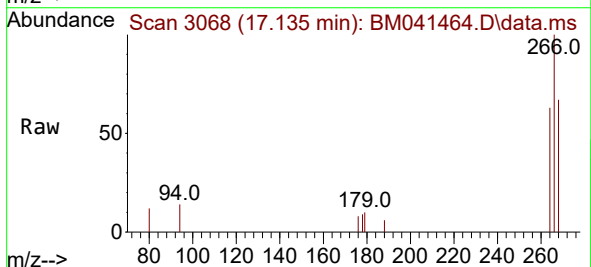
Tgt Ion:266 Resp: 1326

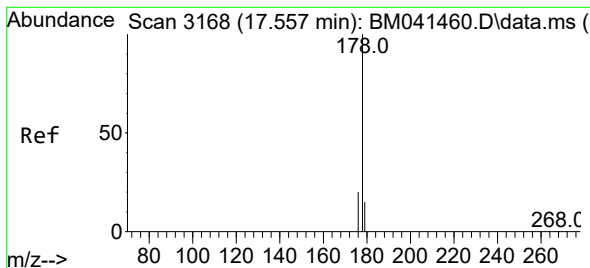
Ion Ratio Lower Upper

266 100

264 61.8 50.1 75.1

268 63.5 48.6 73.0





#15

Phenanthrene

Concen: 0.349 ng/ul

RT: 17.557 min Scan# 3168

Delta R.T. 0.000 min

Lab File: BM041464.D

Acq: 24 Aug 2023 14:15

Instrument :

BNA_M

ClientSampleId :

SICV049

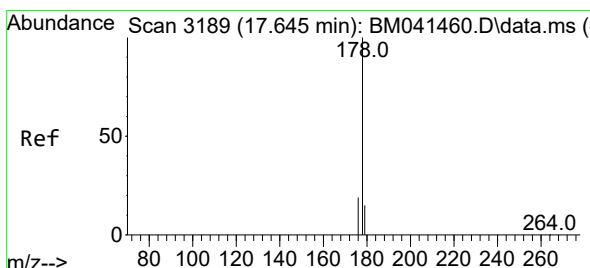
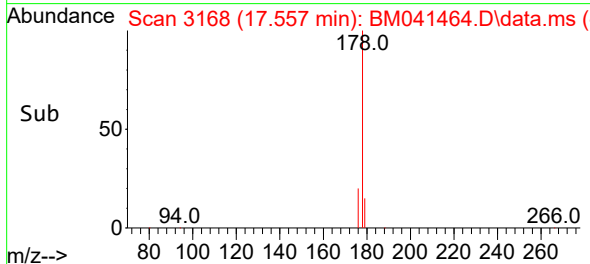
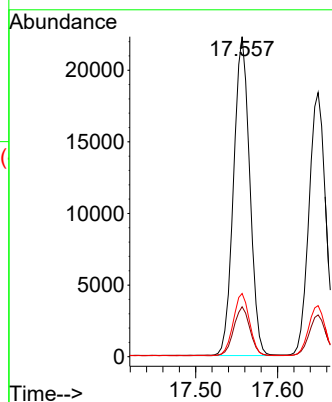
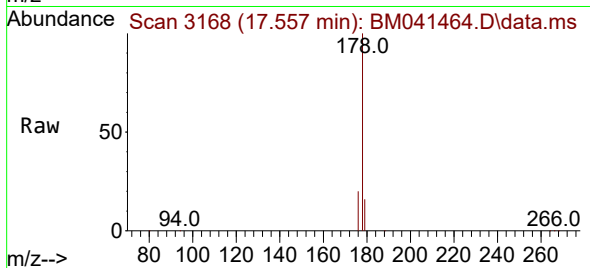
Tgt Ion:178 Resp: 30446

Ion Ratio Lower Upper

178 100

179 15.6 12.5 18.7

176 19.8 15.8 23.8



#16

Anthracene

Concen: 0.331 ng/ul

RT: 17.650 min Scan# 3190

Delta R.T. 0.004 min

Lab File: BM041464.D

Acq: 24 Aug 2023 14:15

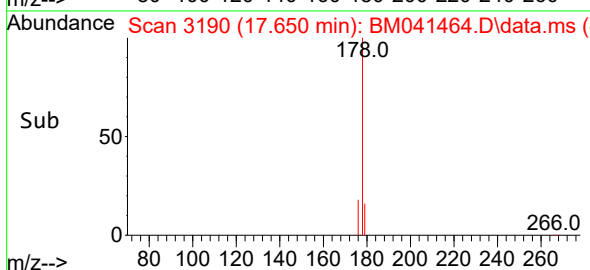
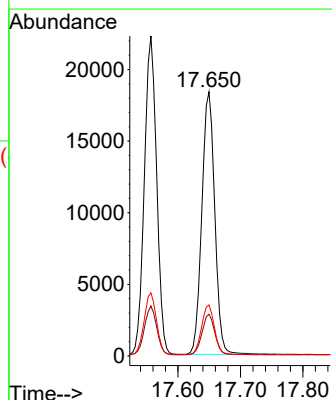
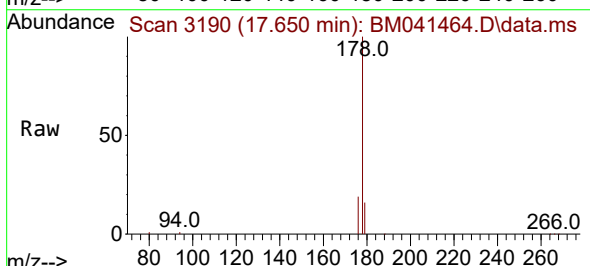
Tgt Ion:178 Resp: 26294

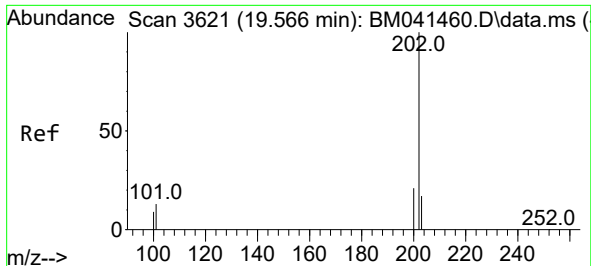
Ion Ratio Lower Upper

178 100

179 15.8 12.6 18.8

176 19.3 15.5 23.3

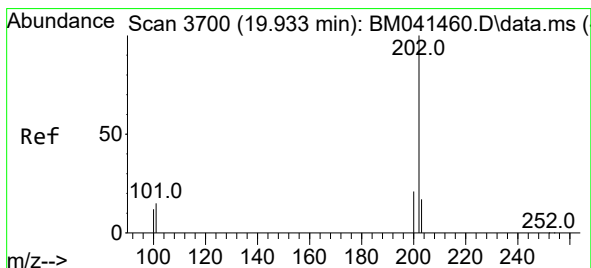
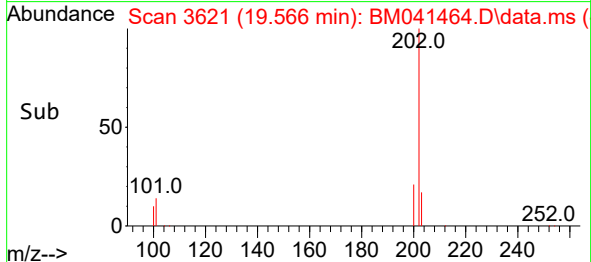
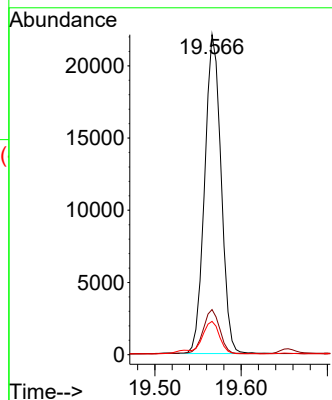
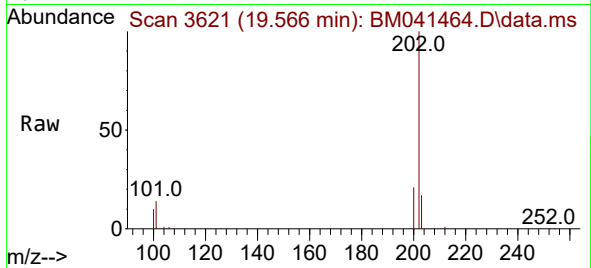




#19
Fluoranthene
Concen: 0.418 ng/ul
RT: 19.566 min Scan# 3621
Delta R.T. 0.000 min
Lab File: BM041464.D
Acq: 24 Aug 2023 14:15

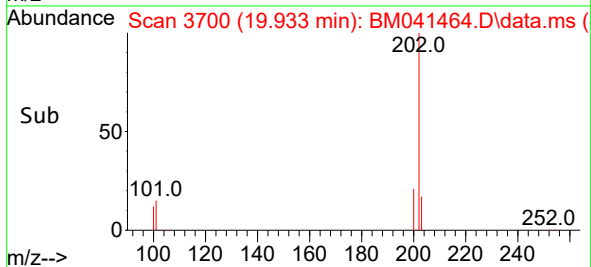
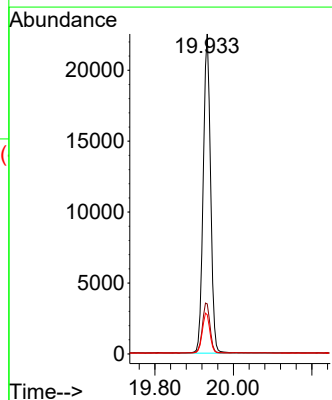
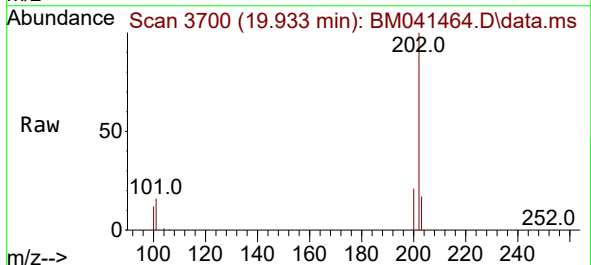
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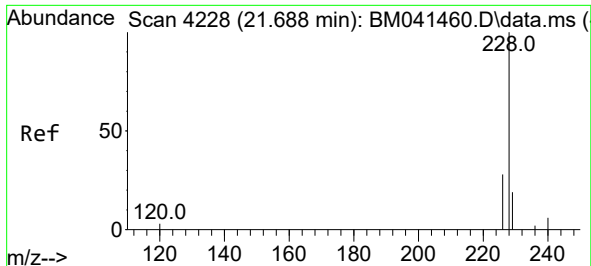
Tgt Ion:202 Resp: 29183
Ion Ratio Lower Upper
202 100
101 14.1 11.0 16.6
100 10.4 7.9 11.9



#20
Pyrene
Concen: 0.414 ng/ul
RT: 19.933 min Scan# 3700
Delta R.T. 0.000 min
Lab File: BM041464.D
Acq: 24 Aug 2023 14:15

Tgt Ion:202 Resp: 29160
Ion Ratio Lower Upper
202 100
101 15.7 12.2 18.2
100 12.2 9.8 14.8

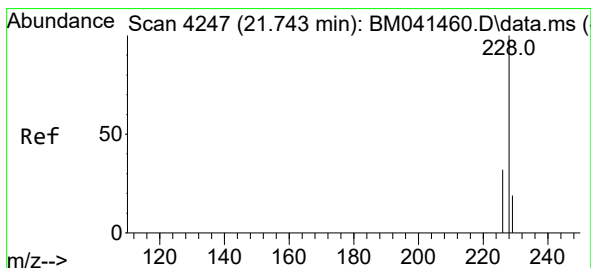
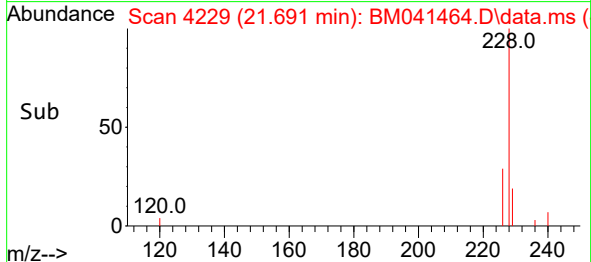
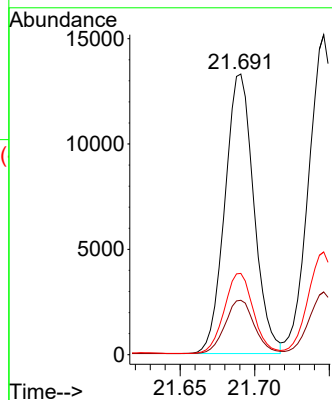
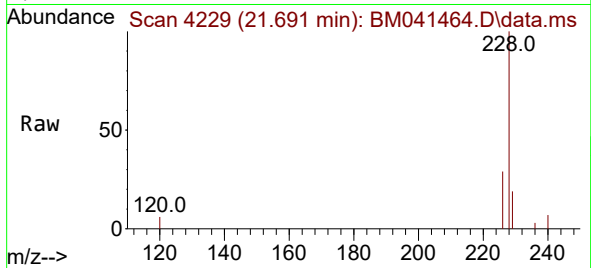




#21
Benzo(a)anthracene
Concen: 0.362 ng/ul
RT: 21.691 min Scan# 4229
Delta R.T. 0.003 min
Lab File: BM041464.D
Acq: 24 Aug 2023 14:15

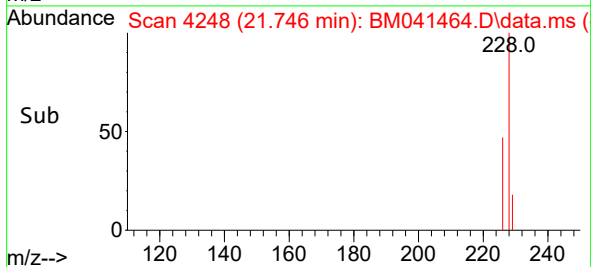
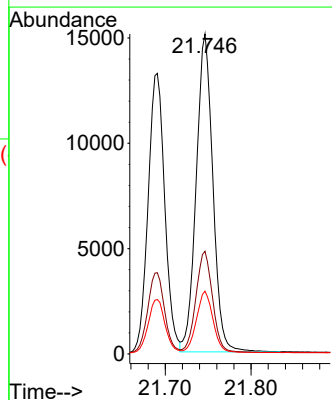
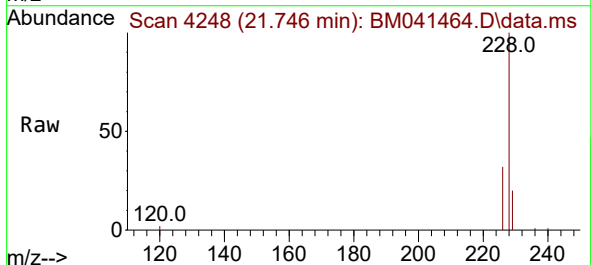
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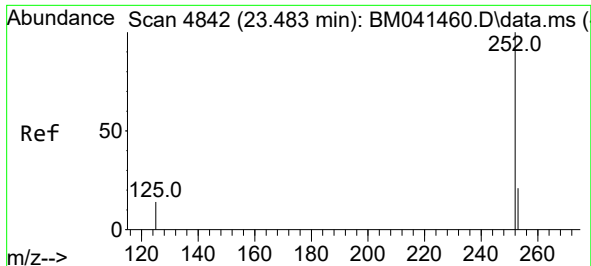
Tgt Ion:228 Resp: 17911
Ion Ratio Lower Upper
228 100
229 19.4 15.3 22.9
226 29.0 22.7 34.1



#22
Chrysene
Concen: 0.381 ng/ul
RT: 21.746 min Scan# 4248
Delta R.T. 0.003 min
Lab File: BM041464.D
Acq: 24 Aug 2023 14:15

Tgt Ion:228 Resp: 20383
Ion Ratio Lower Upper
228 100
226 32.1 25.6 38.4
229 19.6 15.7 23.5

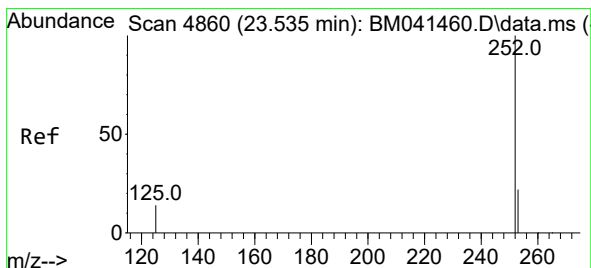
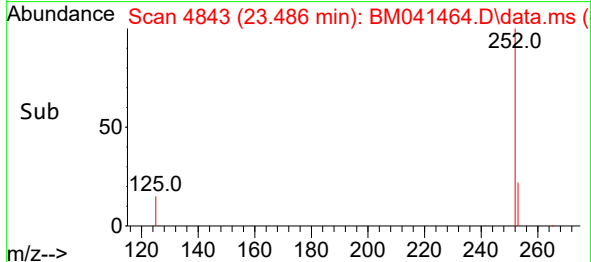
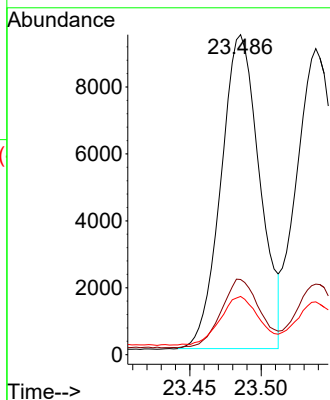
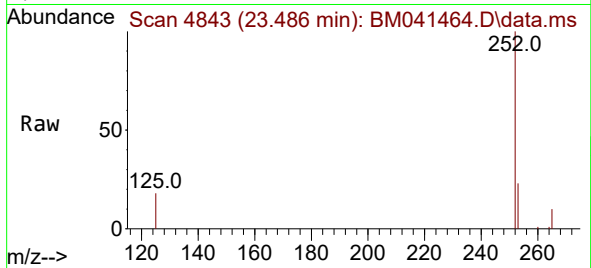




#24
Benzo(b)fluoranthene
Concen: 0.394 ng/ul
RT: 23.486 min Scan# 4842
Delta R.T. 0.003 min
Lab File: BM041464.D
Acq: 24 Aug 2023 14:15

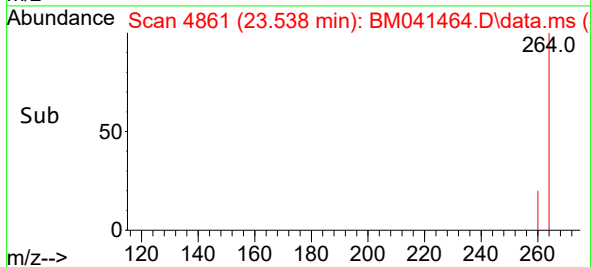
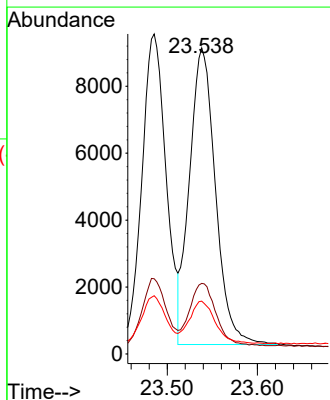
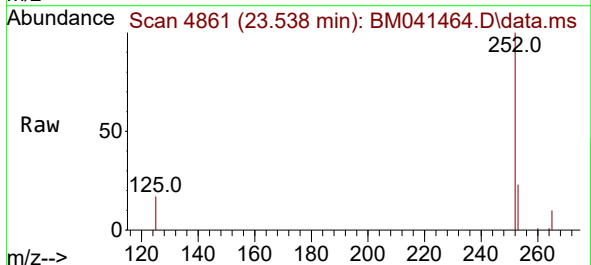
Instrument :
BNA_M
ClientSampleId :
SICV049

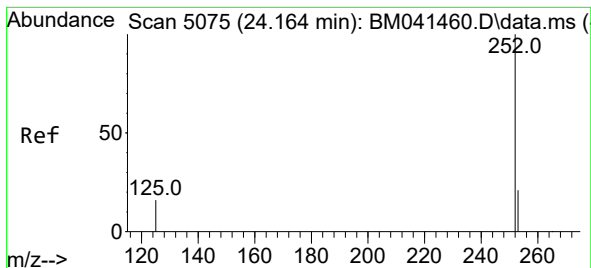
Tgt Ion:252 Resp: 17688
Ion Ratio Lower Upper
252 100
253 23.5 0.0 46.8
125 18.2 0.0 32.8



#25
Benzo(k)fluoranthene
Concen: 0.395 ng/ul
RT: 23.538 min Scan# 4861
Delta R.T. 0.003 min
Lab File: BM041464.D
Acq: 24 Aug 2023 14:15

Tgt Ion:252 Resp: 17747
Ion Ratio Lower Upper
252 100
253 23.0 19.1 28.7
125 17.3 13.4 20.0





#26

Benzo(a)pyrene

Concen: 0.382 ng/ul

RT: 24.167 min Scan# 5075

Delta R.T. 0.003 min

Lab File: BM041464.D

Acq: 24 Aug 2023 14:15

Instrument :

BNA_M

ClientSampleId :

SICV049

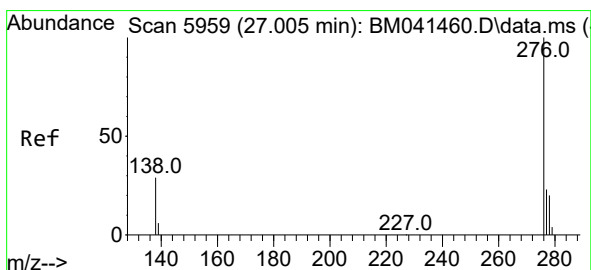
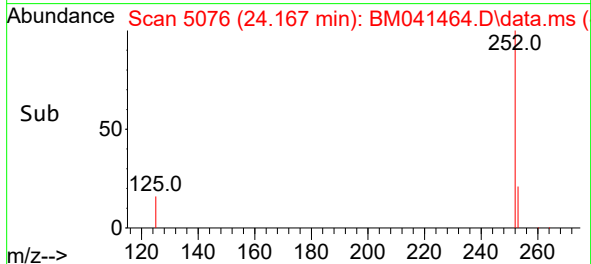
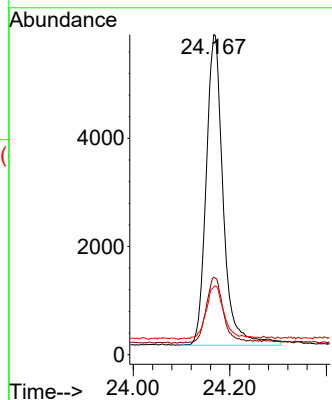
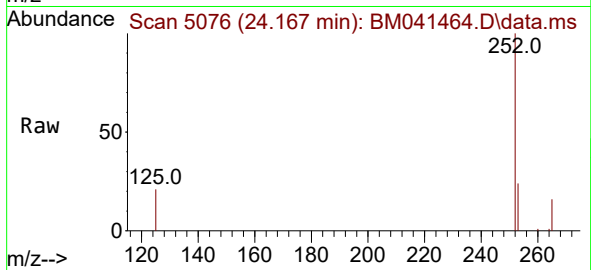
Tgt Ion:252 Resp: 14077

Ion Ratio Lower Upper

252 100

253 24.2 19.5 29.3

125 21.2 16.0 24.0



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.350 ng/ul

RT: 27.011 min Scan# 5961

Delta R.T. 0.007 min

Lab File: BM041464.D

Acq: 24 Aug 2023 14:15

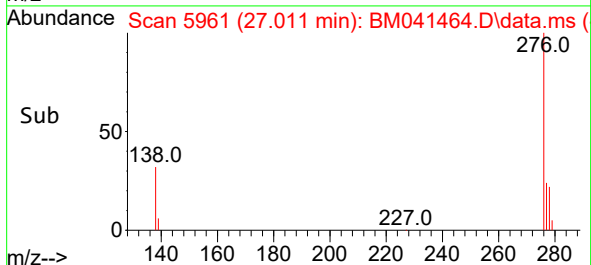
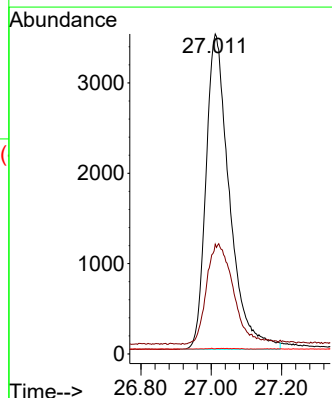
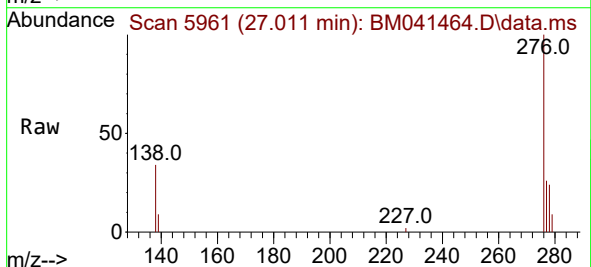
Tgt Ion:276 Resp: 16141

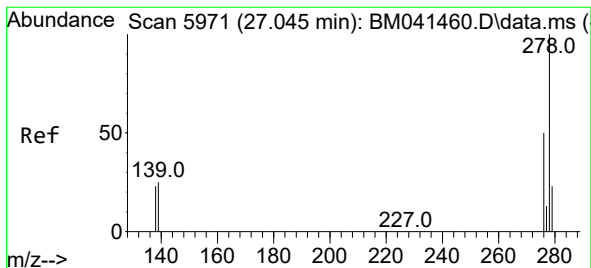
Ion Ratio Lower Upper

276 100

138 36.7 27.8 41.6

227 0.0 0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.347 ng/ul

RT: 27.048 min Scan# 5971

Delta R.T. 0.003 min

Lab File: BM041464.D

Acq: 24 Aug 2023 14:15

Instrument :

BNA_M

ClientSampleId :

SICV049

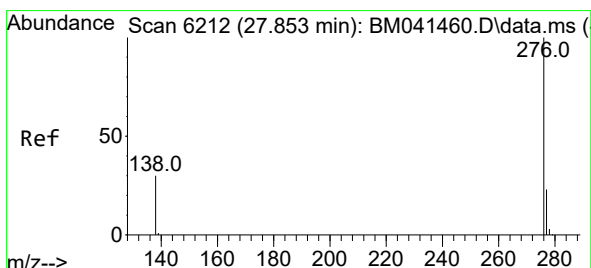
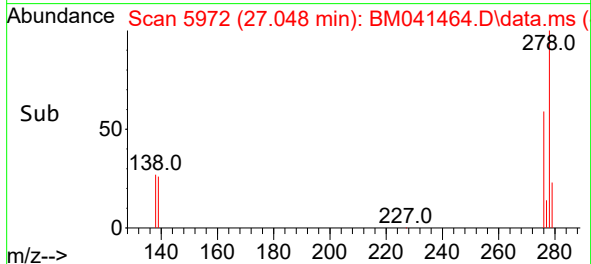
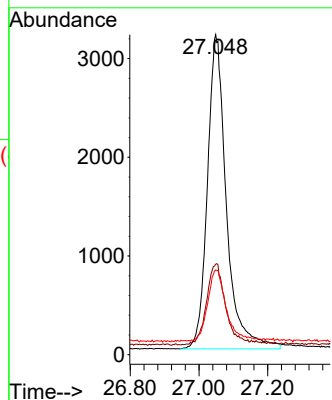
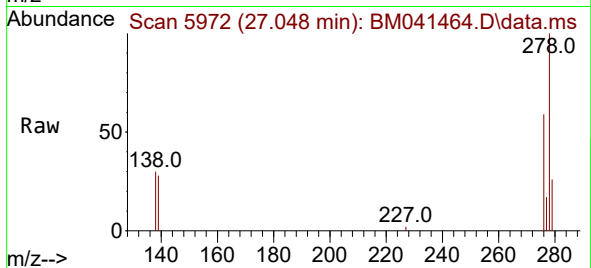
Tgt Ion:278 Resp: 12230

Ion Ratio Lower Upper

278 100

139 28.3 21.9 32.9

279 26.5 21.4 32.0



#29

Benzo(g,h,i)perylene

Concen: 0.358 ng/ul

RT: 27.853 min Scan# 6212

Delta R.T. 0.000 min

Lab File: BM041464.D

Acq: 24 Aug 2023 14:15

Tgt Ion:276 Resp: 14523

Ion Ratio Lower Upper

276 100

138 34.1 25.9 38.9

277 25.0 19.4 29.2

