

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082823\
 Data File : BM041521.D
 Acq On : 28 Aug 2023 14:04
 Operator : MA/JU
 Sample : SSTD1.616
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.6005

Quant Time: Aug 28 19:15:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM082823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 15:20:06 2023
 Response via : Initial Calibration

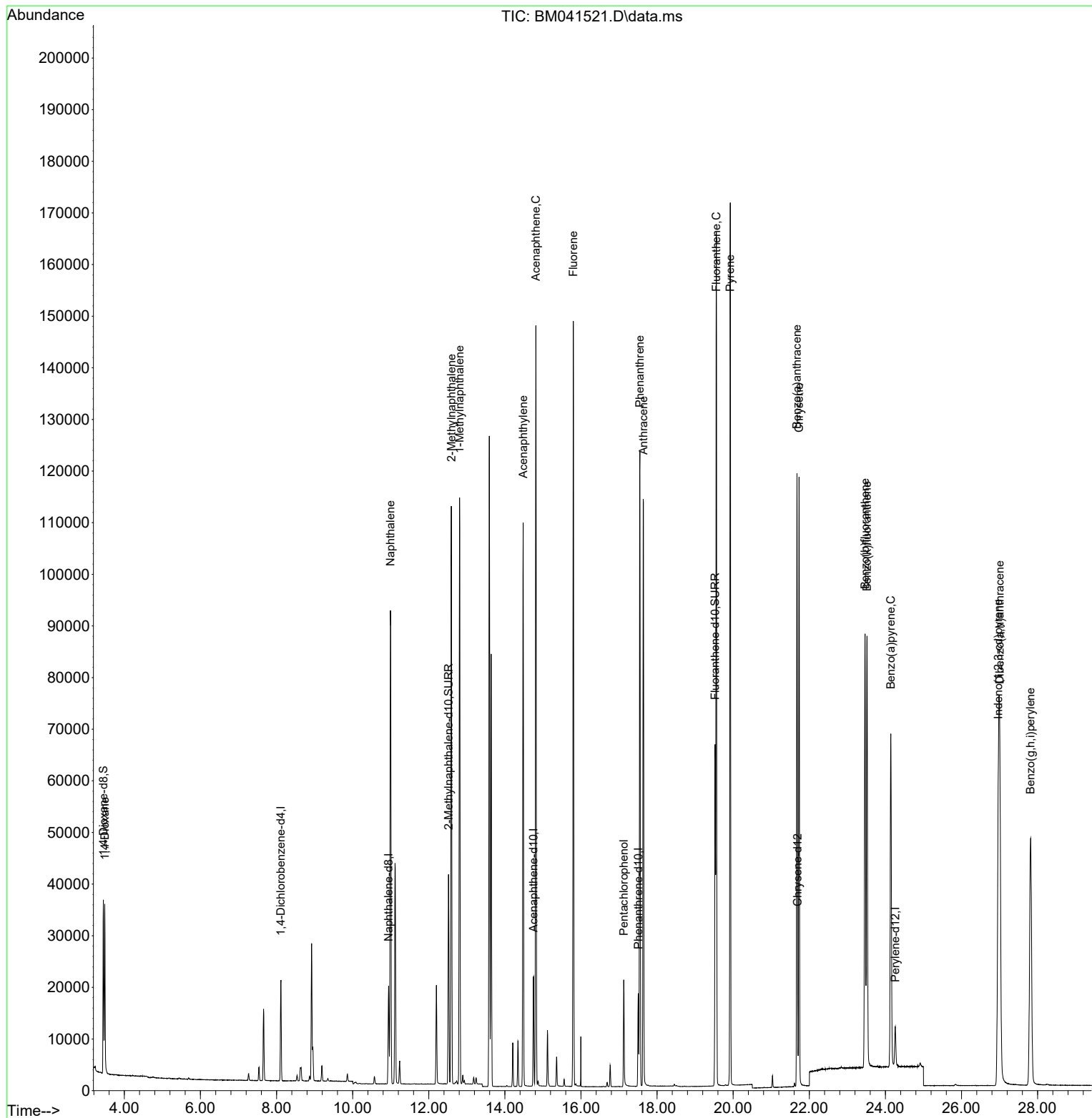
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.114	152	9706	0.400	ng/ul	0.00
4) Naphthalene-d8	10.944	136	24623	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.754	164	10859	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.506	188	18968	0.400	ng/ul	0.00
17) Chrysene-d12	21.693	240	8812	0.400	ng/ul	0.00
23) Perylene-d12	24.260	264	10729	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.448	96	19110	1.583	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.522	152	51052	1.570	ng/ul	0.00
18) Fluoranthene-d10	19.524	212	57722	1.601	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.486	88	19653	1.571	ng/ul	89
5) Naphthalene	10.993	128	124200	1.577	ng/ul	99
7) 2-Methylnaphthalene	12.594	142	75574	1.582	ng/ul	99
8) 1-Methylnaphthalene	12.808	142	76297	1.581	ng/ul	100
10) Acenaphthylene	14.481	152	116077	1.620	ng/ul	100
11) Acenaphthene	14.814	153	80507	1.599	ng/ul	100
12) Fluorene	15.799	166	88175	1.622	ng/ul	99
14) Pentachlorophenol	17.126	266	13530	1.735	ng/ul	100
15) Phenanthrene	17.548	178	127046	1.632	ng/ul	99
16) Anthracene	17.637	178	120314	1.684	ng/ul	99
19) Fluoranthene	19.557	202	134740	1.651	ng/ul	100
20) Pyrene	19.924	202	135602	1.642	ng/ul	100
21) Benzo(a)anthracene	21.676	228	101636	1.619	ng/ul	99
22) Chrysene	21.731	228	101449	1.631	ng/ul	100
24) Benzo(b)fluoranthene	23.465	252	114350	1.676	ng/ul	95
25) Benzo(k)fluoranthene	23.517	252	110659	1.659	ng/ul	94
26) Benzo(a)pyrene	24.143	252	101597	1.648	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	26.968	276	134710	1.626	ng/ul#	99
28) Dibenzo(a,h)anthracene	27.005	278	97772	1.640	ng/ul	96
29) Benzo(g,h,i)perylene	27.817	276	114013	1.643	ng/ul	97

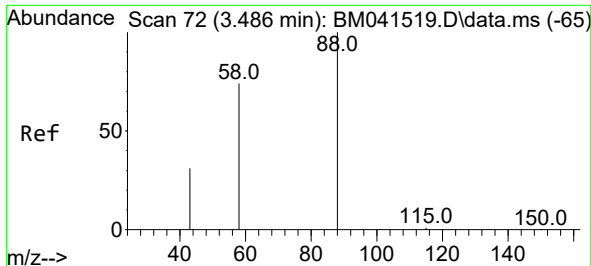
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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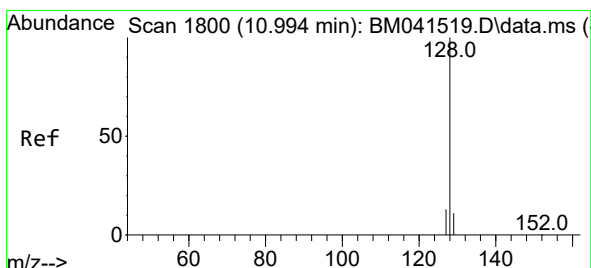
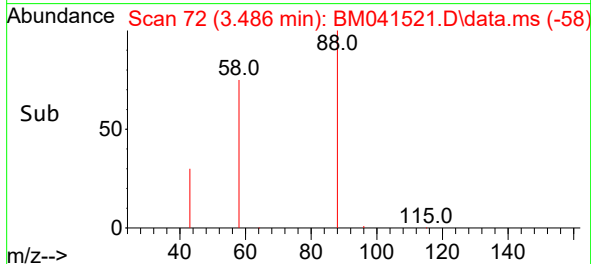
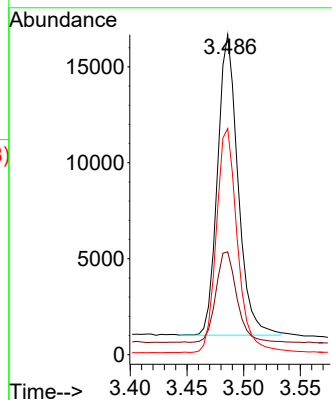
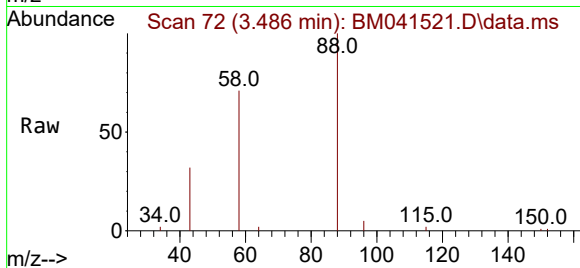




#2
1,4-Dioxane
Concen: 1.571 ng/ul
RT: 3.486 min Scan# 72
Delta R.T. -0.000 min
Lab File: BM041521.D
Acq: 28 Aug 2023 14:04

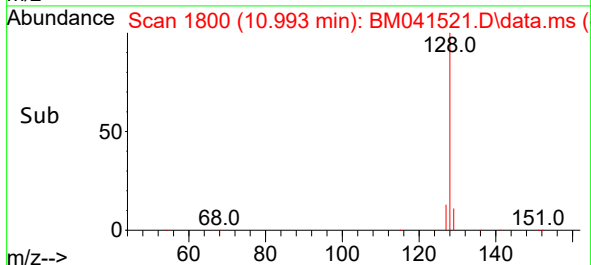
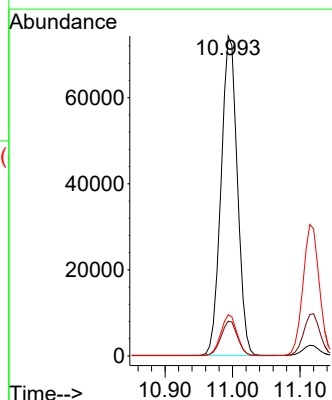
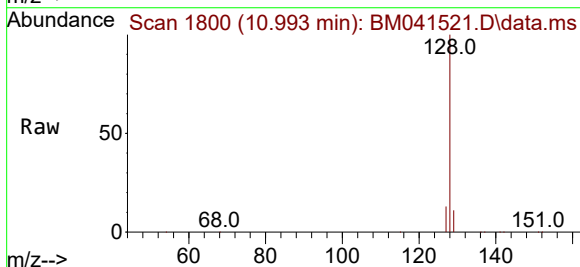
Instrument :
BNA_M
ClientSampleId :
SSTD1.6005

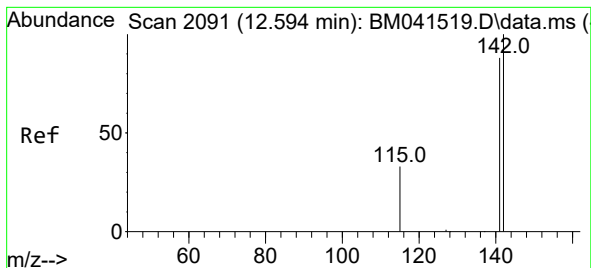
Tgt Ion: 88 Resp: 19653
Ion Ratio Lower Upper
88 100
43 32.2 30.6 46.0
58 70.7 49.3 73.9



#5
Naphthalene
Concen: 1.577 ng/ul
RT: 10.993 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BM041521.D
Acq: 28 Aug 2023 14:04

Tgt Ion:128 Resp: 124200
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 12.9 10.6 15.8

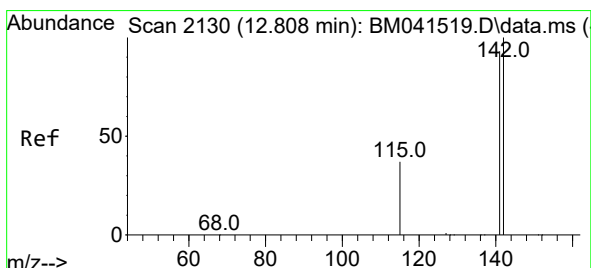
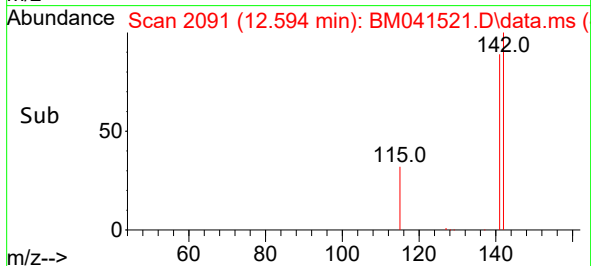
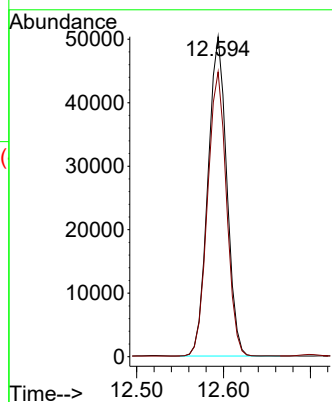
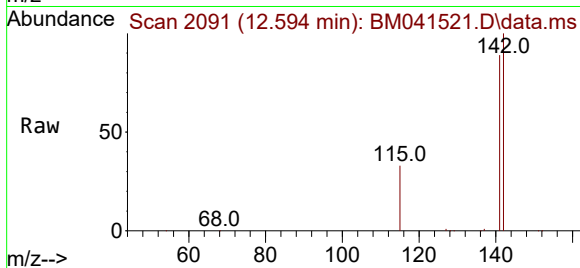




#7
2-Methylnaphthalene
Concen: 1.582 ng/ul
RT: 12.594 min Scan# 2091
Delta R.T. -0.000 min
Lab File: BM041521.D
Acq: 28 Aug 2023 14:04

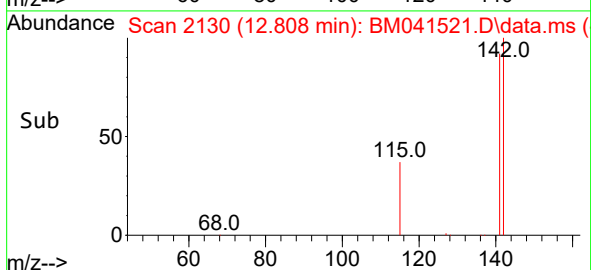
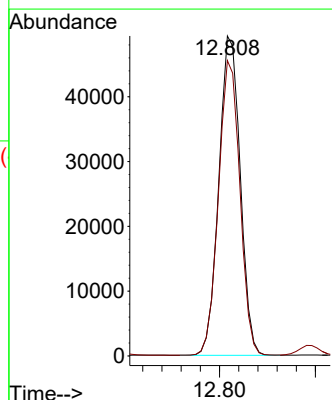
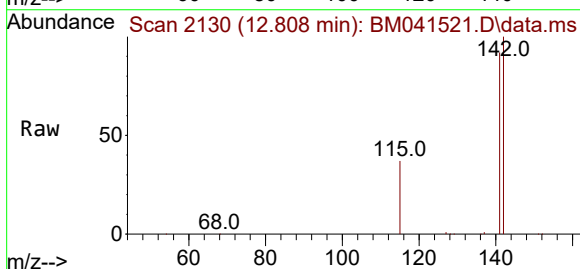
Instrument :
BNA_M
ClientSampleId :
SSTD1.6005

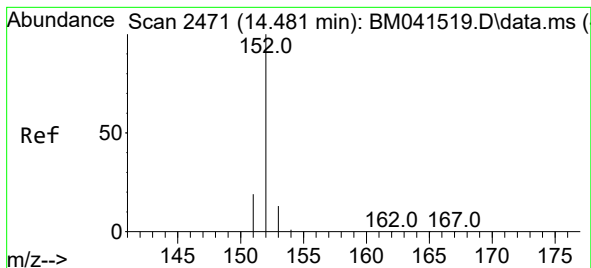
Tgt Ion:142 Resp: 75574
Ion Ratio Lower Upper
142 100
141 89.3 71.0 106.6



#8
1-Methylnaphthalene
Concen: 1.581 ng/ul
RT: 12.808 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BM041521.D
Acq: 28 Aug 2023 14:04

Tgt Ion:142 Resp: 76297
Ion Ratio Lower Upper
142 100
141 92.2 73.9 110.9





#10

Acenaphthylene

Concen: 1.620 ng/ul

RT: 14.481 min Scan# 2471

Delta R.T. -0.000 min

Lab File: BM041521.D

Acq: 28 Aug 2023 14:04

Instrument :

BNA_M

ClientSampleId :

SSTD1.6005

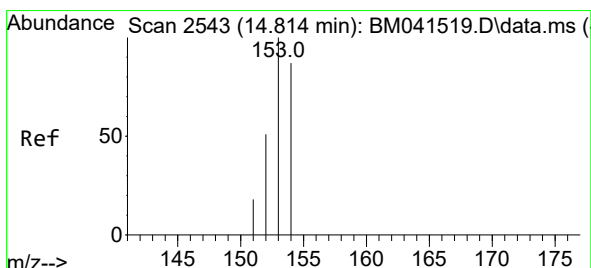
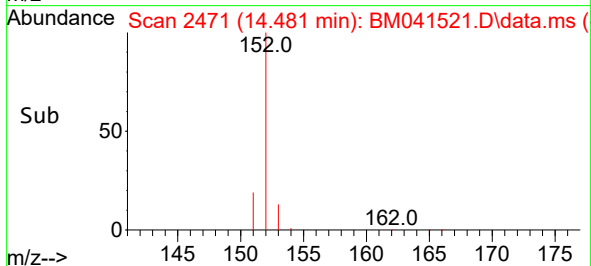
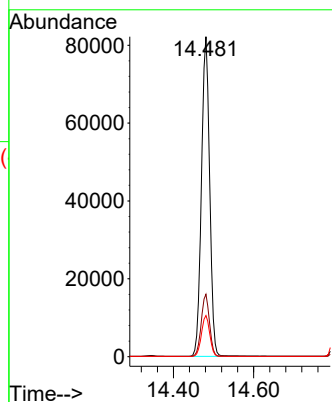
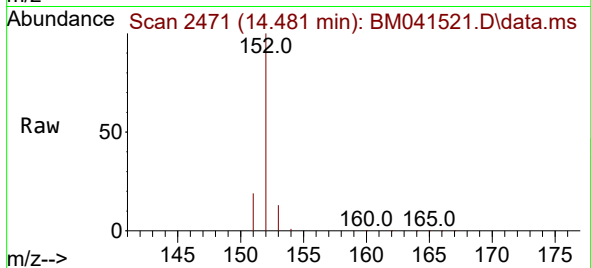
Tgt Ion:152 Resp: 116077

Ion Ratio Lower Upper

152 100

151 19.5 15.7 23.5

153 12.9 10.5 15.7



#11

Acenaphthene

Concen: 1.599 ng/ul

RT: 14.814 min Scan# 2543

Delta R.T. -0.000 min

Lab File: BM041521.D

Acq: 28 Aug 2023 14:04

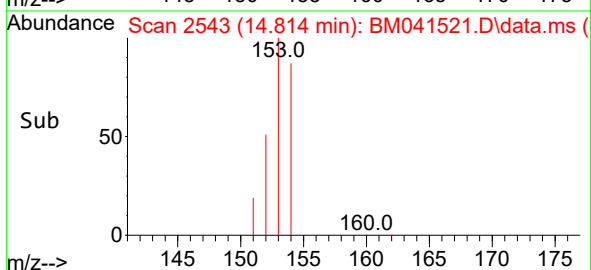
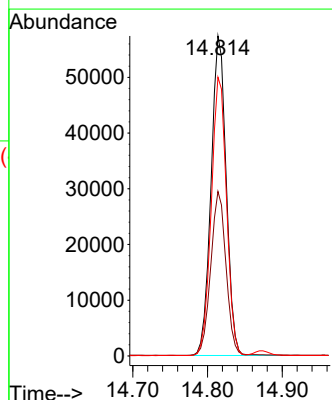
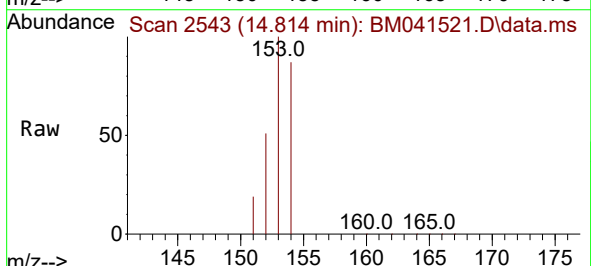
Tgt Ion:153 Resp: 80507

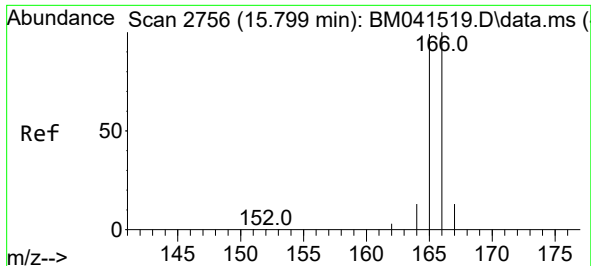
Ion Ratio Lower Upper

153 100

152 51.4 41.1 61.7

154 87.1 69.4 104.0

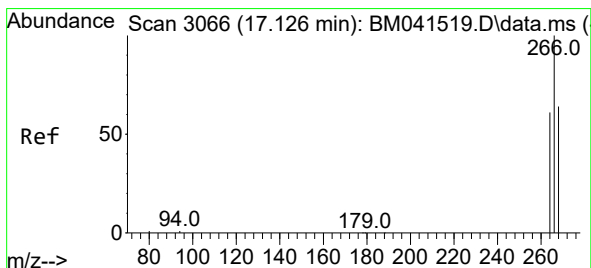
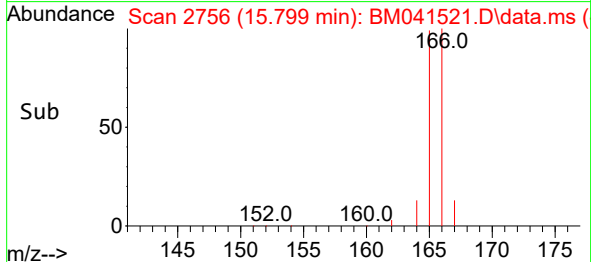
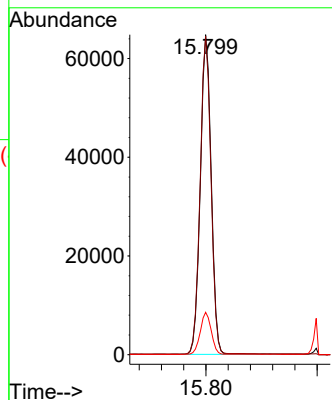
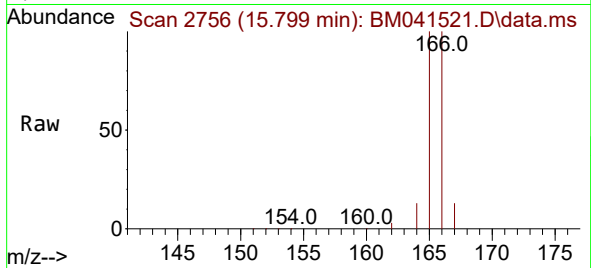




#12
Fluorene
Concen: 1.622 ng/ul
RT: 15.799 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041521.D
Acq: 28 Aug 2023 14:04

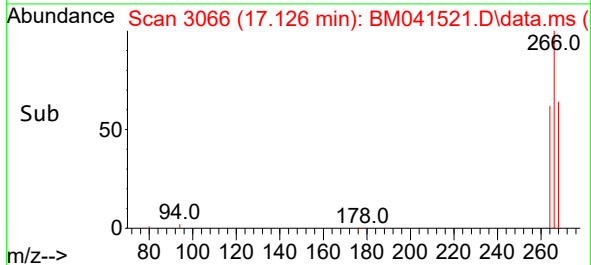
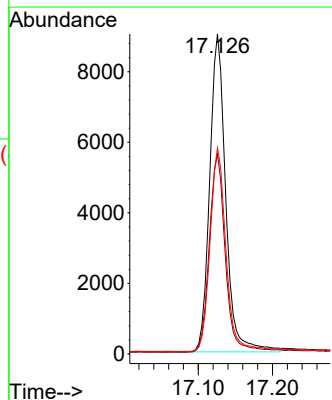
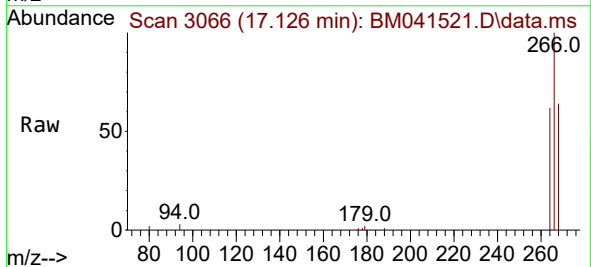
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ClientSampleId :
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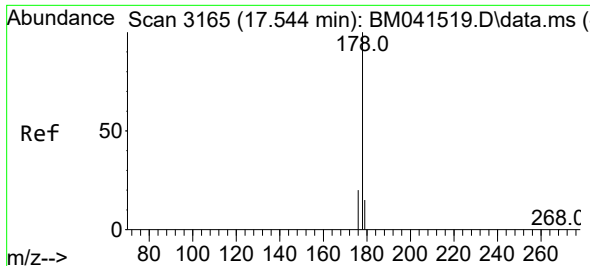
Tgt Ion:166 Resp: 88175
Ion Ratio Lower Upper
166 100
165 99.5 79.2 118.8
167 13.2 10.8 16.2



#14
Pentachlorophenol
Concen: 1.735 ng/ul
RT: 17.126 min Scan# 3066
Delta R.T. -0.000 min
Lab File: BM041521.D
Acq: 28 Aug 2023 14:04

Tgt Ion:266 Resp: 13530
Ion Ratio Lower Upper
266 100
264 62.4 50.0 75.0
268 63.7 51.4 77.0

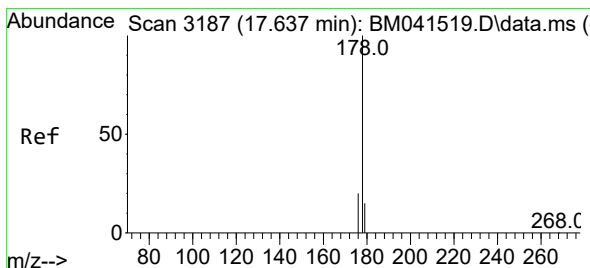
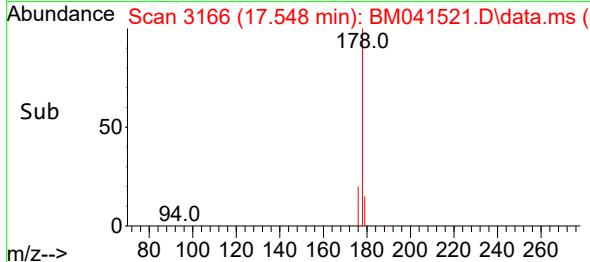
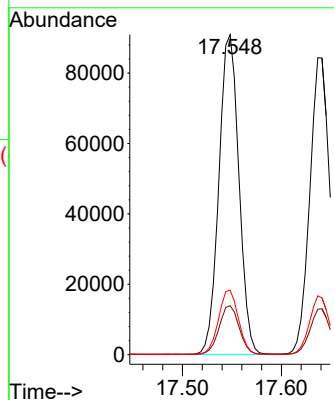
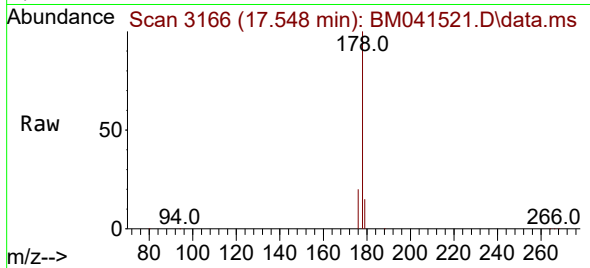




#15
Phenanthrene
Concen: 1.632 ng/ul
RT: 17.548 min Scan# 3165
Delta R.T. 0.004 min
Lab File: BM041521.D
Acq: 28 Aug 2023 14:04

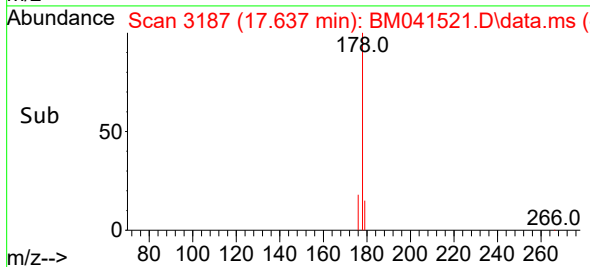
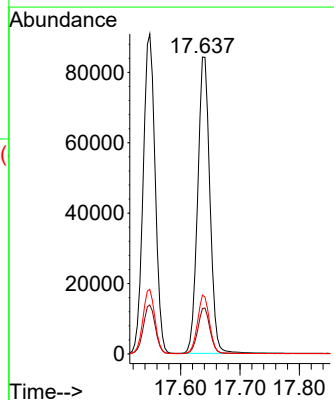
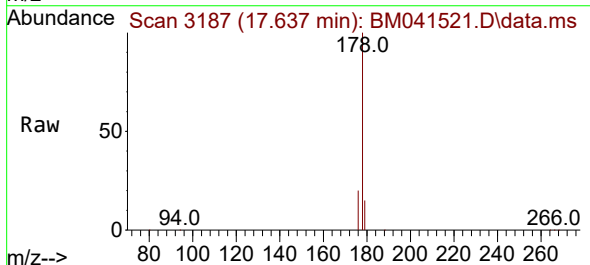
Instrument :
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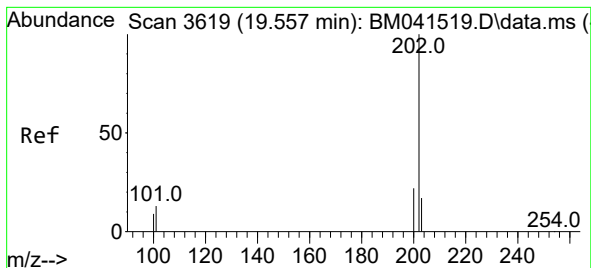
Tgt Ion:178 Resp: 127046
Ion Ratio Lower Upper
178 100
179 15.3 12.6 18.8
176 20.2 16.3 24.5



#16
Anthracene
Concen: 1.684 ng/ul
RT: 17.637 min Scan# 3187
Delta R.T. -0.000 min
Lab File: BM041521.D
Acq: 28 Aug 2023 14:04

Tgt Ion:178 Resp: 120314
Ion Ratio Lower Upper
178 100
179 15.3 12.6 19.0
176 19.9 15.9 23.9





#19

Fluoranthene

Concen: 1.651 ng/ul

RT: 19.557 min Scan# 3619

Delta R.T. -0.000 min

Lab File: BM041521.D

Acq: 28 Aug 2023 14:04

Instrument :

BNA_M

ClientSampleId :

SSTD1.6005

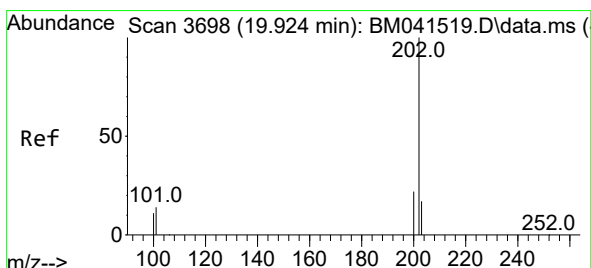
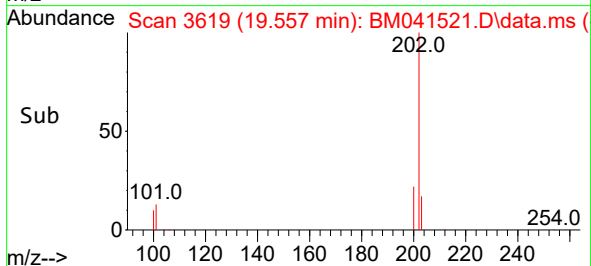
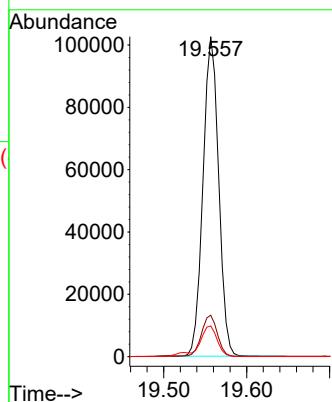
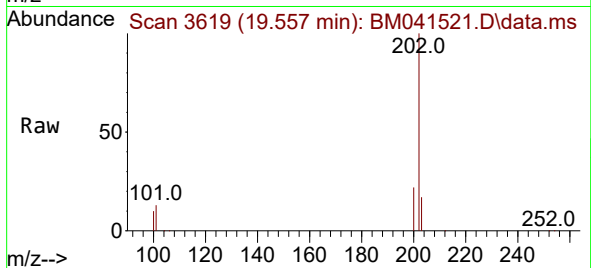
Tgt Ion:202 Resp: 134740

Ion Ratio Lower Upper

202 100

101 12.9 10.5 15.7

100 9.6 7.8 11.6



#20

Pyrene

Concen: 1.642 ng/ul

RT: 19.924 min Scan# 3698

Delta R.T. -0.000 min

Lab File: BM041521.D

Acq: 28 Aug 2023 14:04

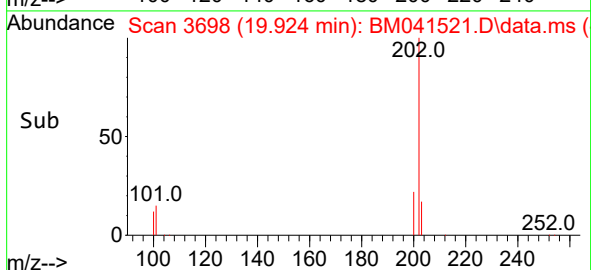
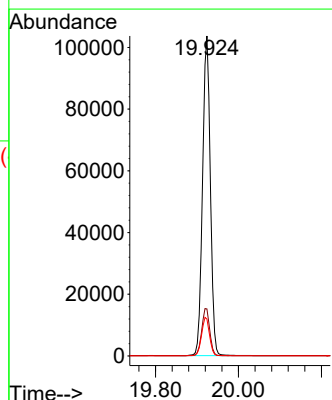
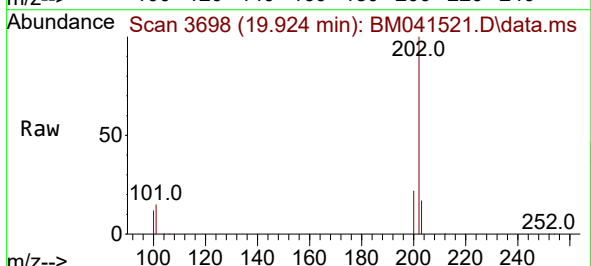
Tgt Ion:202 Resp: 135602

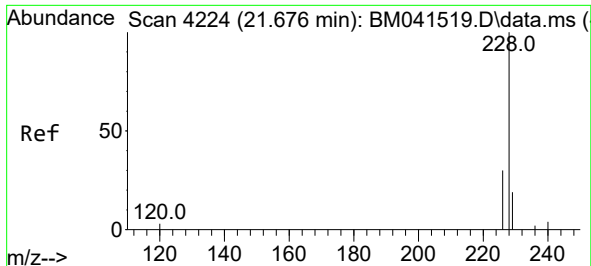
Ion Ratio Lower Upper

202 100

101 14.7 11.6 17.4

100 11.6 9.1 13.7

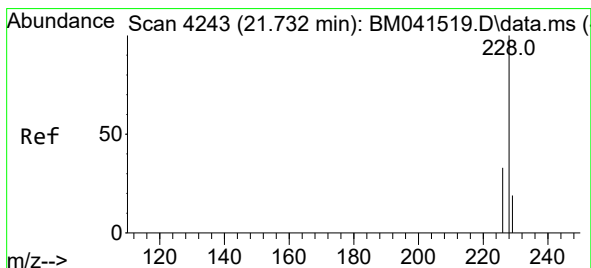
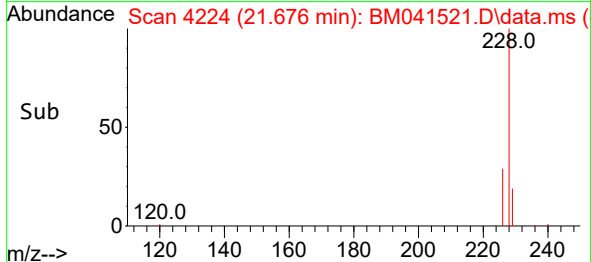
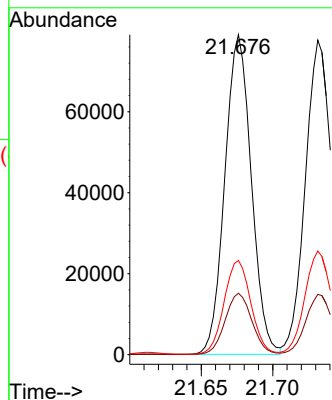
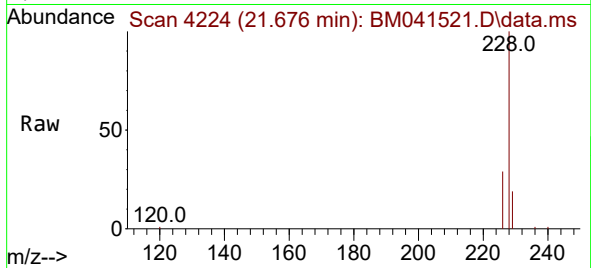




#21
Benzo(a)anthracene
Concen: 1.619 ng/ul
RT: 21.676 min Scan# 41
Delta R.T. -0.000 min
Lab File: BM041521.D
Acq: 28 Aug 2023 14:04

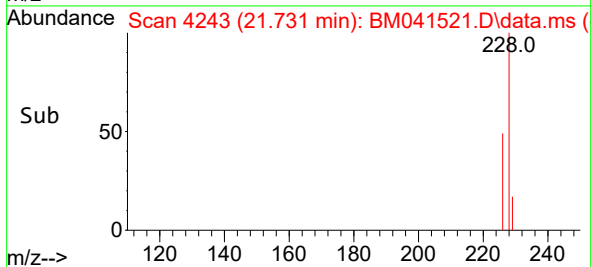
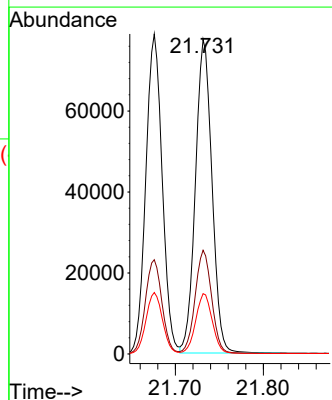
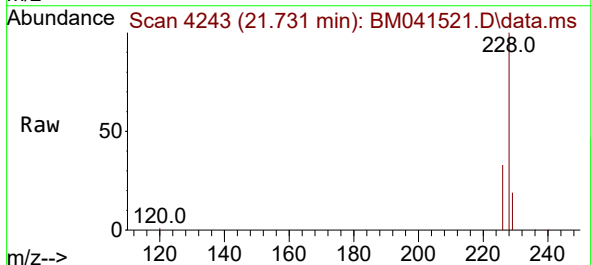
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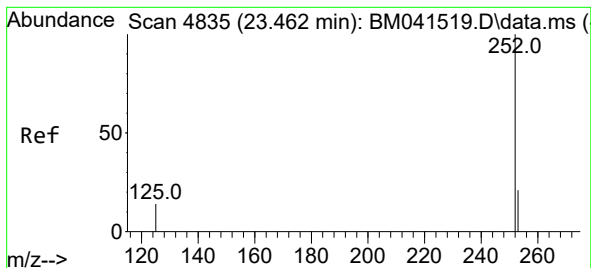
Tgt Ion:228 Resp: 101636
Ion Ratio Lower Upper
228 100
229 19.2 15.8 23.6
226 29.5 24.0 36.0



#22
Chrysene
Concen: 1.631 ng/ul
RT: 21.731 min Scan# 4243
Delta R.T. -0.000 min
Lab File: BM041521.D
Acq: 28 Aug 2023 14:04

Tgt Ion:228 Resp: 101449
Ion Ratio Lower Upper
228 100
226 33.0 26.3 39.5
229 19.2 15.4 23.2





#24

Benzo(b)fluoranthene

Concen: 1.676 ng/ul

RT: 23.465 min Scan# 4835

Delta R.T. 0.003 min

Lab File: BM041521.D

Acq: 28 Aug 2023 14:04

Instrument :

BNA_M

ClientSampleId :

SSTD1.6005

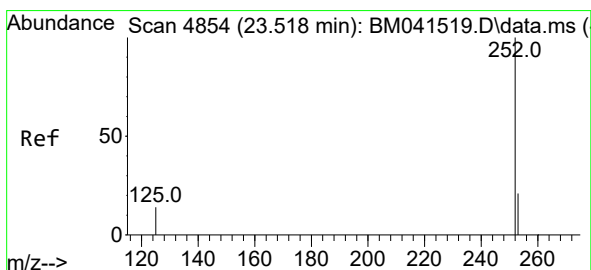
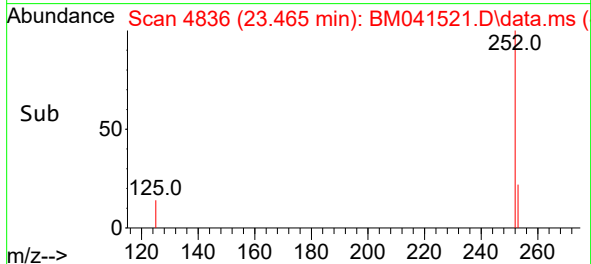
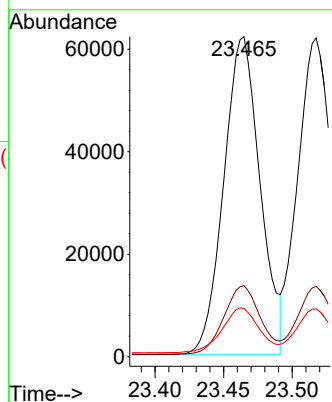
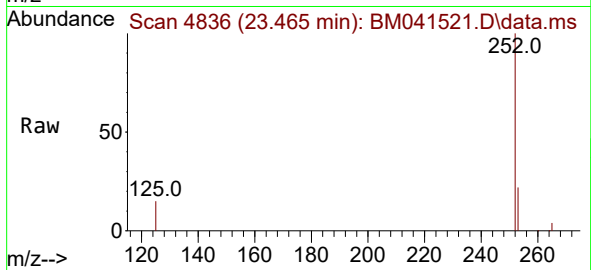
Tgt Ion:252 Resp: 114350

Ion Ratio Lower Upper

252 100

253 22.2 0.0 47.0

125 15.0 0.0 37.2



#25

Benzo(k)fluoranthene

Concen: 1.659 ng/ul

RT: 23.517 min Scan# 4854

Delta R.T. -0.000 min

Lab File: BM041521.D

Acq: 28 Aug 2023 14:04

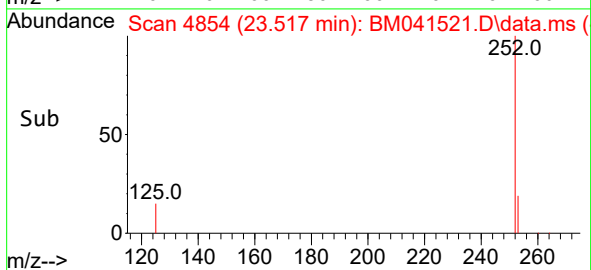
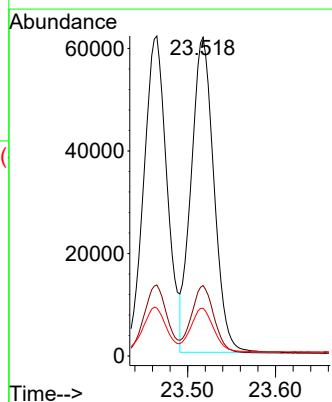
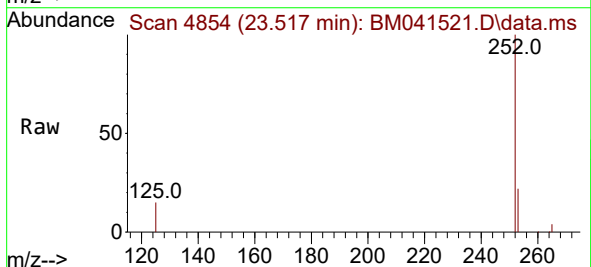
Tgt Ion:252 Resp: 110659

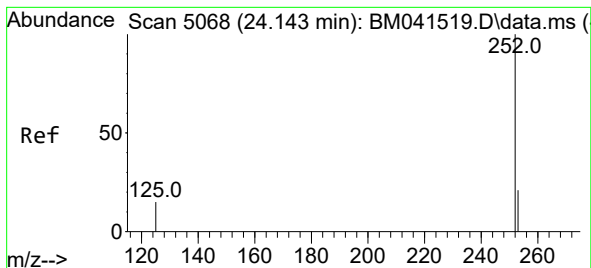
Ion Ratio Lower Upper

252 100

253 22.1 19.3 28.9

125 15.0 15.0 22.4





#26

Benzo(a)pyrene

Concen: 1.648 ng/ul

RT: 24.143 min Scan# 5068

Delta R.T. -0.000 min

Lab File: BM041521.D

Acq: 28 Aug 2023 14:04

Instrument :

BNA_M

ClientSampleId :

SSTD1.6005

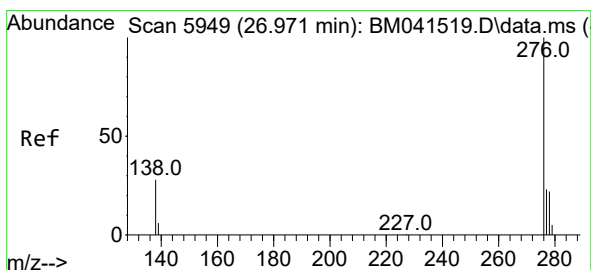
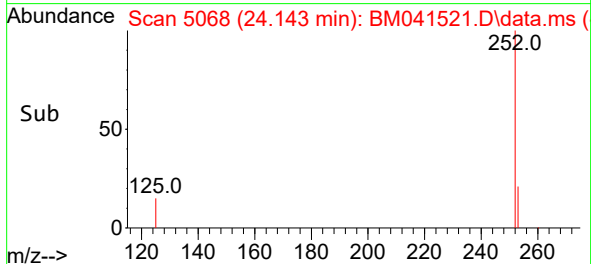
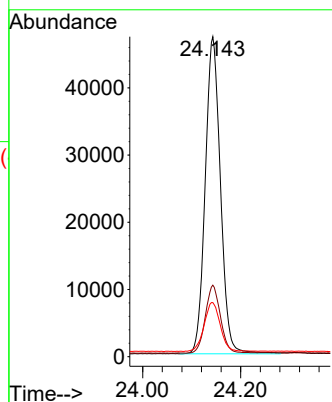
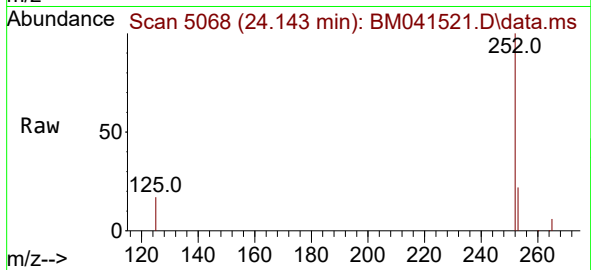
Tgt Ion:252 Resp: 101597

Ion Ratio Lower Upper

252 100

253 22.4 20.0 30.0

125 16.9 17.1 25.7#



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.626 ng/ul

RT: 26.968 min Scan# 5948

Delta R.T. -0.003 min

Lab File: BM041521.D

Acq: 28 Aug 2023 14:04

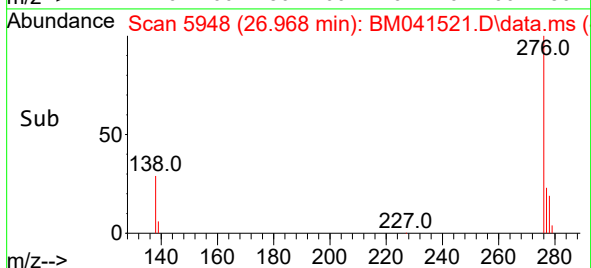
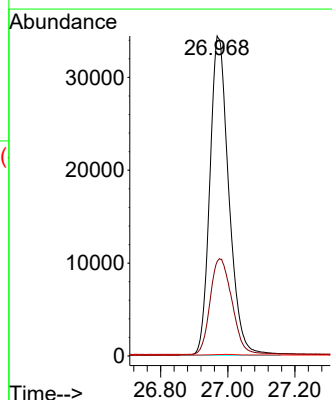
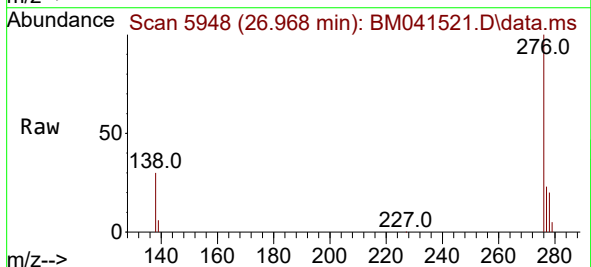
Tgt Ion:276 Resp: 134710

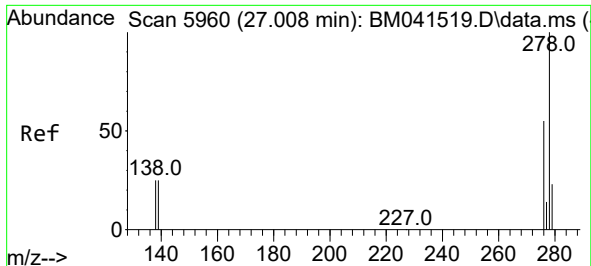
Ion Ratio Lower Upper

276 100

138 34.4 27.3 40.9

227 0.0 0.0 0.0

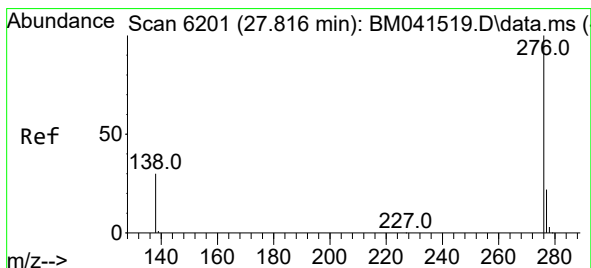
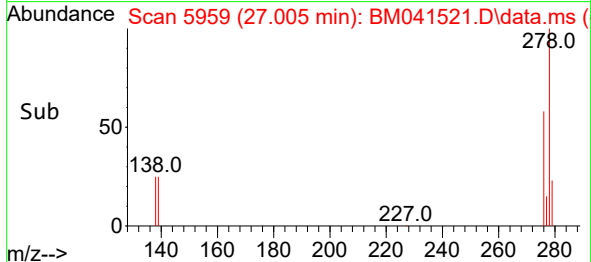
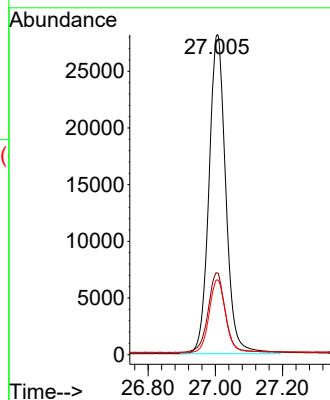
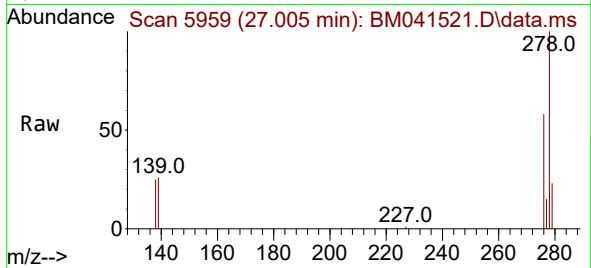




#28
 Dibenzo(a,h)anthracene
 Concen: 1.640 ng/ul
 RT: 27.005 min Scan# 5959
 Delta R.T. -0.003 min
 Lab File: BM041521.D
 Acq: 28 Aug 2023 14:04

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.6005

Tgt Ion:278 Resp: 97772
 Ion Ratio Lower Upper
 278 100
 139 25.5 22.2 33.2
 279 23.4 20.4 30.6



#29
 Benzo(g,h,i)perylene
 Concen: 1.643 ng/ul
 RT: 27.817 min Scan# 6201
 Delta R.T. 0.000 min
 Lab File: BM041521.D
 Acq: 28 Aug 2023 14:04

Tgt Ion:276 Resp: 114013
 Ion Ratio Lower Upper
 276 100
 138 30.0 25.9 38.9
 277 23.4 19.1 28.7

