

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082923\
 Data File : BM041618.D
 Acq On : 31 Aug 2023 16:14
 Operator : MA/JU
 Sample : PB155127BS
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS127

Quant Time: Sep 01 02:09:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM082923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 30 01:50:06 2023
 Response via : Initial Calibration

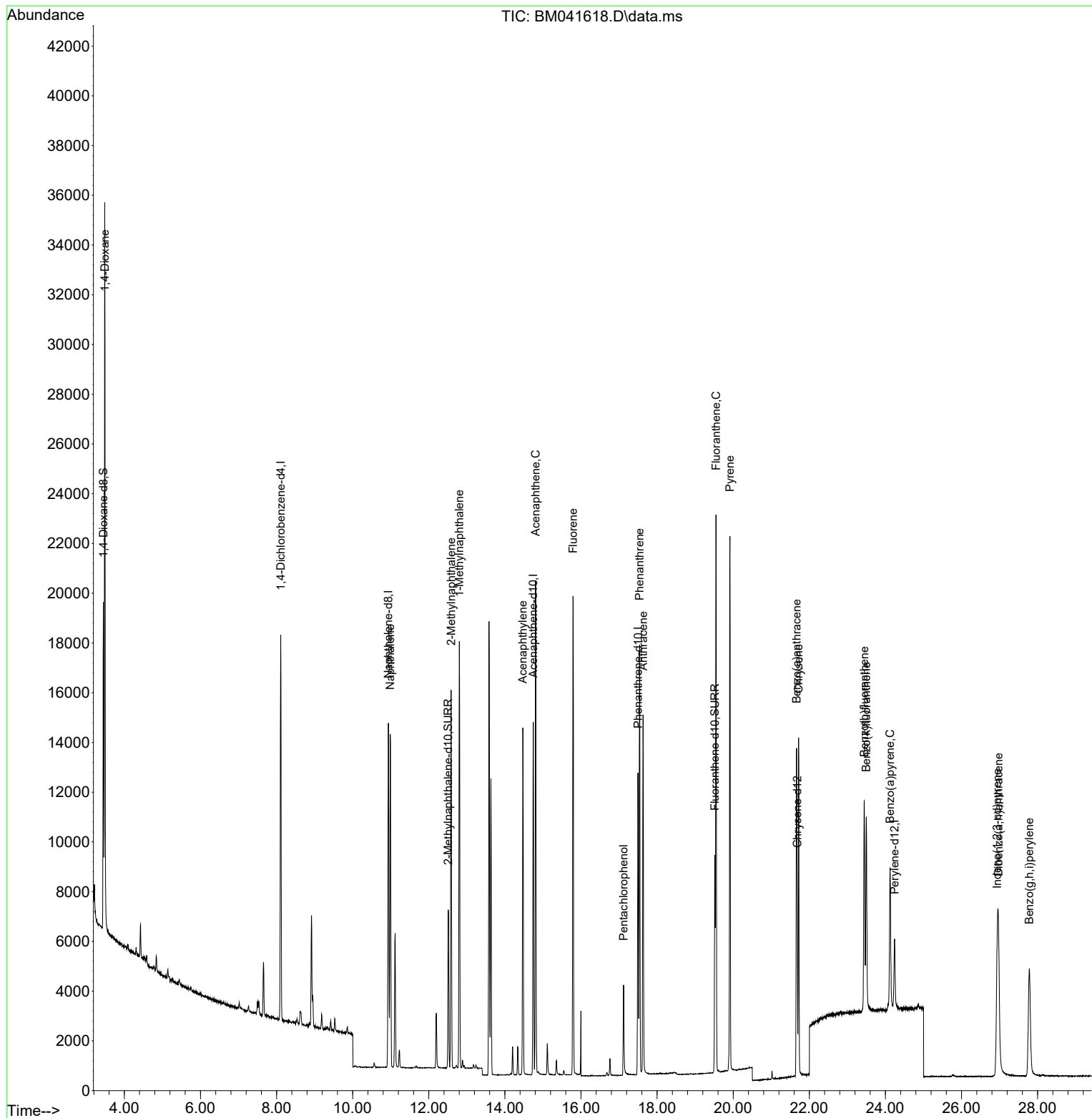
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	7479	0.400	ng/ul	0.00
4) Naphthalene-d8	10.939	136	17269	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.745	164	6865	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.498	188	12522	0.400	ng/ul	0.00
17) Chrysene-d12	21.682	240	4088	0.400	ng/ul	0.00
23) Perylene-d12	24.240	264	3982	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.448	96	7129	0.646	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.511	152	7571	0.363	ng/ul	-0.01
18) Fluoranthene-d10	19.520	212	7723	0.383	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.486	88	17109	1.453	ng/ul#	84
5) Naphthalene	10.988	128	18198	0.330	ng/ul	100
7) 2-Methylnaphthalene	12.588	142	10357	0.331	ng/ul	99
8) 1-Methylnaphthalene	12.803	142	11018	0.348	ng/ul	99
10) Acenaphthylene	14.472	152	15557	0.325	ng/ul	99
11) Acenaphthene	14.810	153	11021	0.334	ng/ul	99
12) Fluorene	15.795	166	11901	0.331	ng/ul	97
14) Pentachlorophenol	17.118	266	2575	0.535	ng/ul	98
15) Phenanthrene	17.540	178	17881	0.327	ng/ul	99
16) Anthracene	17.633	178	15338	0.323	ng/ul	99
19) Fluoranthene	19.548	202	17687	0.330	ng/ul	100
20) Pyrene	19.915	202	17242	0.320	ng/ul	99
21) Benzo(a)anthracene	21.664	228	10985	0.301	ng/ul	99
22) Chrysene	21.720	228	11929	0.304	ng/ul	99
24) Benzo(b)fluoranthene	23.442	252	11615	0.314	ng/ul	100
25) Benzo(k)fluoranthene	23.497	252	11140	0.317	ng/ul	99
26) Benzo(a)pyrene	24.123	252	9763	0.296	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.938	276	12707	0.289	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.971	278	8691	0.294	ng/ul	98
29) Benzo(g,h,i)perylene	27.779	276	10978	0.297	ng/ul	99

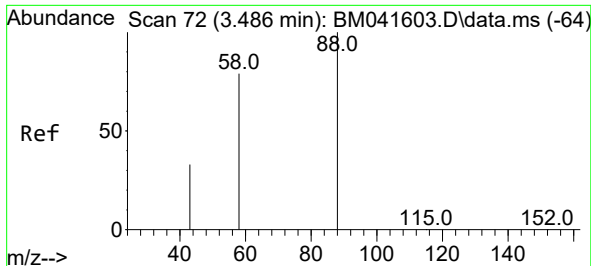
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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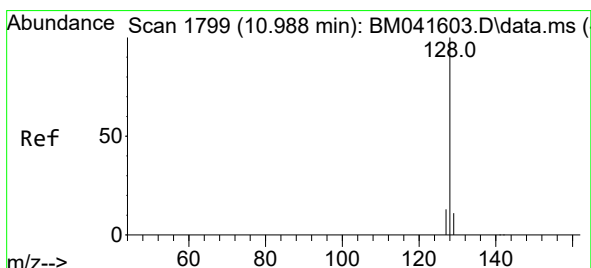
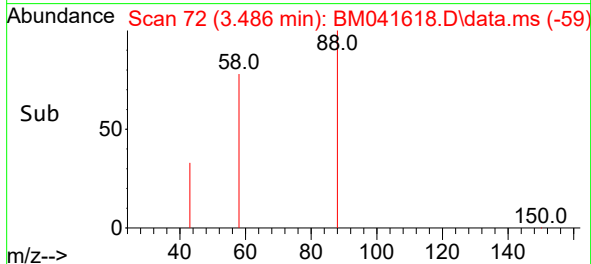
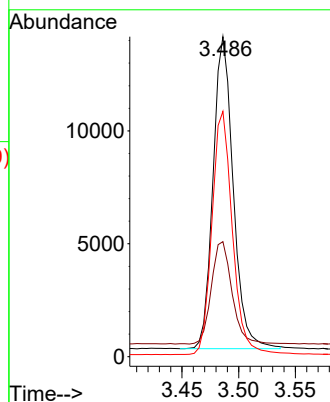
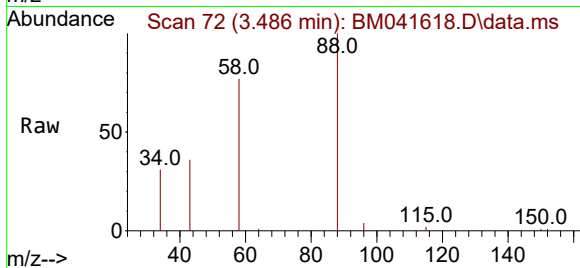




#2
 1,4-Dioxane
 Concen: 1.453 ng/ul
 RT: 3.486 min Scan# 72
 Delta R.T. -0.004 min
 Lab File: BM041618.D
 Acq: 31 Aug 2023 16:14

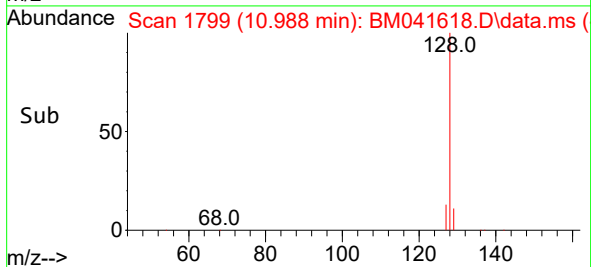
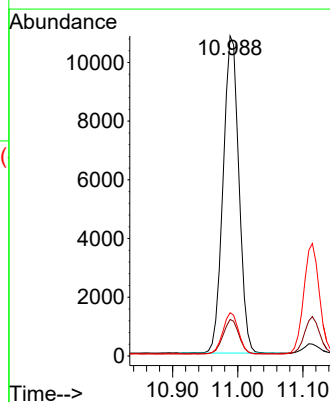
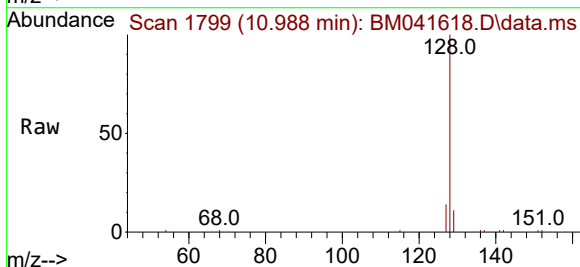
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 BNA_M
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 SLCS127

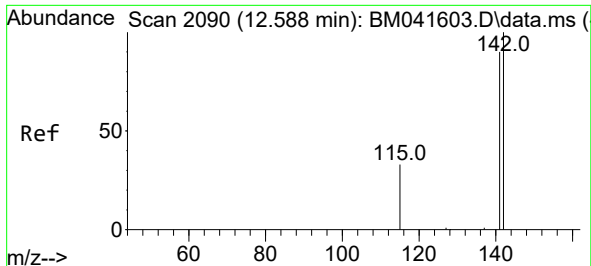
Tgt Ion: 88 Resp: 17109
 Ion Ratio Lower Upper
 88 100
 43 35.9 46.2 69.2#
 58 76.7 58.1 87.1



#5
 Naphthalene
 Concen: 0.330 ng/ul
 RT: 10.988 min Scan# 1799
 Delta R.T. -0.011 min
 Lab File: BM041618.D
 Acq: 31 Aug 2023 16:14

Tgt Ion:128 Resp: 18198
 Ion Ratio Lower Upper
 128 100
 129 11.4 9.1 13.7
 127 13.5 10.6 15.8

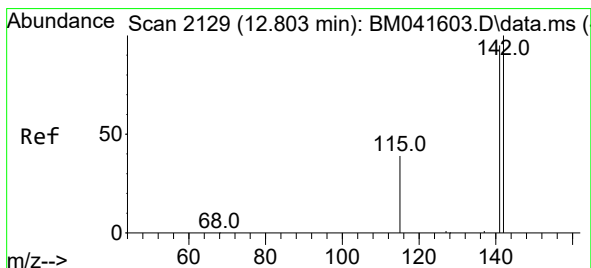
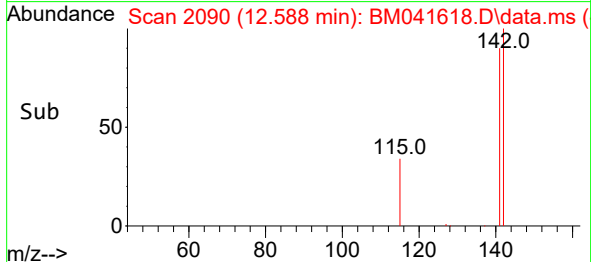
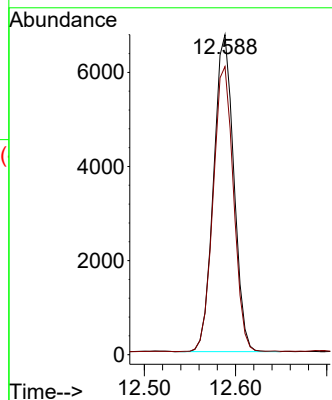
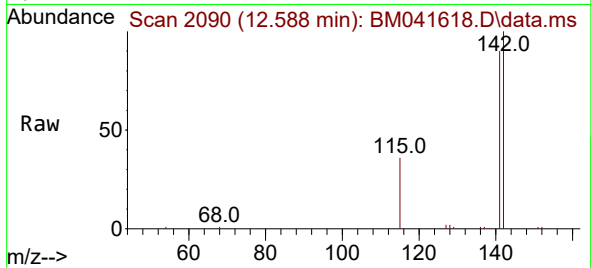




#7
2-Methylnaphthalene
Concen: 0.331 ng/ul
RT: 12.588 min Scan# 2090
Delta R.T. -0.005 min
Lab File: BM041618.D
Acq: 31 Aug 2023 16:14

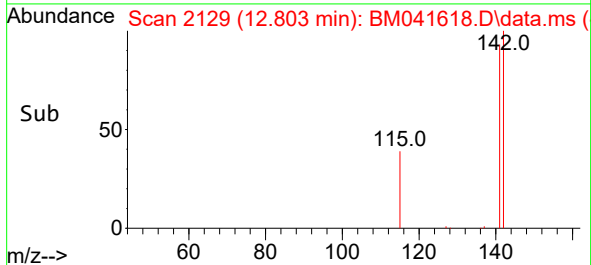
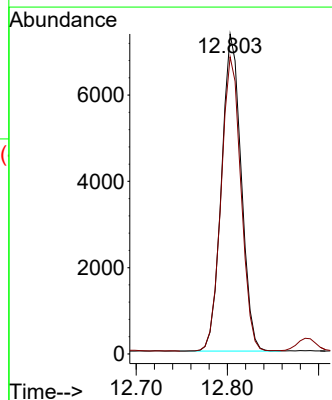
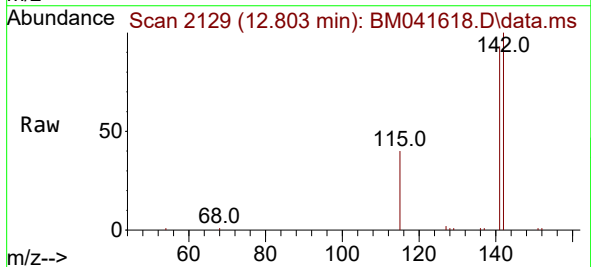
Instrument :
BNA_M
ClientSampleId :
SLCS127

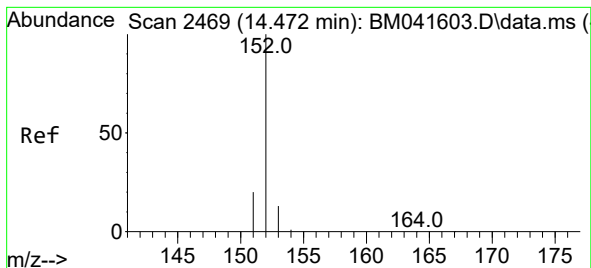
Tgt Ion:142 Resp: 10357
Ion Ratio Lower Upper
142 100
141 90.5 71.8 107.8



#8
1-Methylnaphthalene
Concen: 0.348 ng/ul
RT: 12.803 min Scan# 2129
Delta R.T. -0.011 min
Lab File: BM041618.D
Acq: 31 Aug 2023 16:14

Tgt Ion:142 Resp: 11018
Ion Ratio Lower Upper
142 100
141 93.6 74.2 111.2





#10

Acenaphthylene

Concen: 0.325 ng/ul

RT: 14.472 min Scan# 2469

Delta R.T. -0.009 min

Lab File: BM041618.D

Acq: 31 Aug 2023 16:14

Instrument :

BNA_M

ClientSampleId :

SLCS127

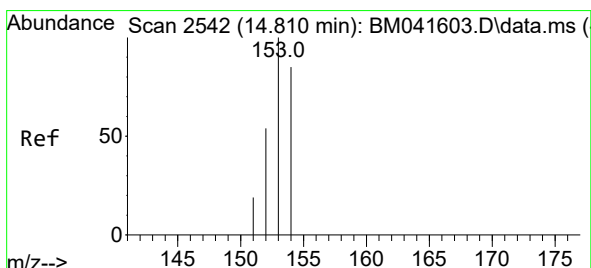
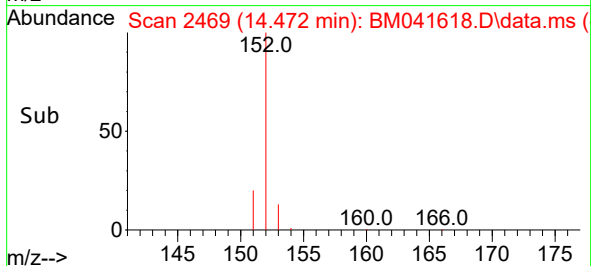
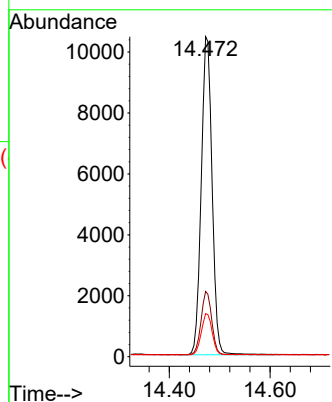
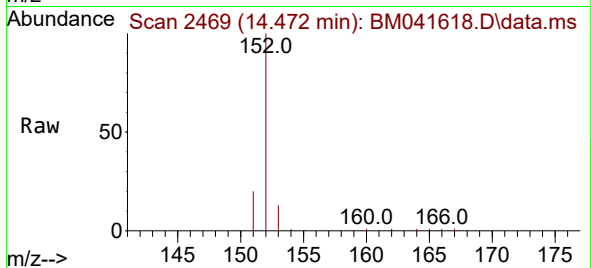
Tgt Ion:152 Resp: 15557

Ion Ratio Lower Upper

152 100

151 20.4 15.9 23.9

153 13.5 10.6 15.8



#11

Acenaphthene

Concen: 0.334 ng/ul

RT: 14.810 min Scan# 2542

Delta R.T. -0.009 min

Lab File: BM041618.D

Acq: 31 Aug 2023 16:14

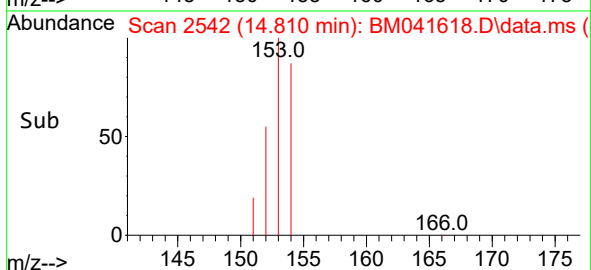
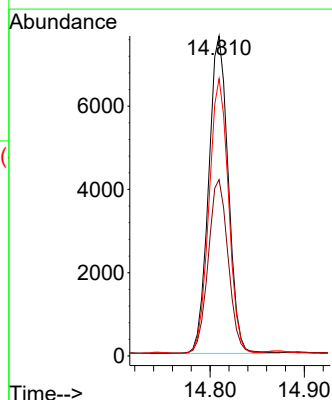
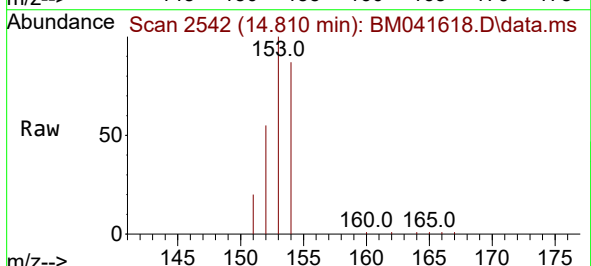
Tgt Ion:153 Resp: 11021

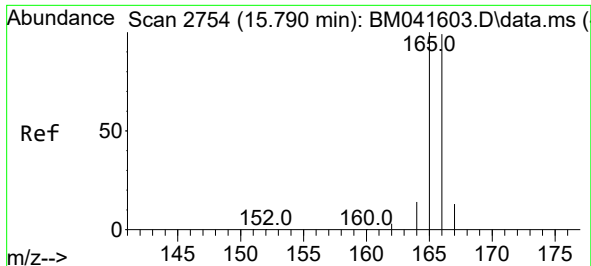
Ion Ratio Lower Upper

153 100

152 55.1 43.4 65.2

154 86.6 70.2 105.2

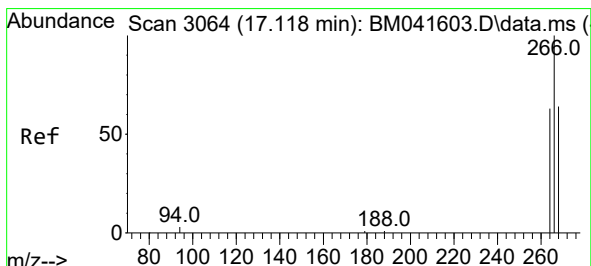
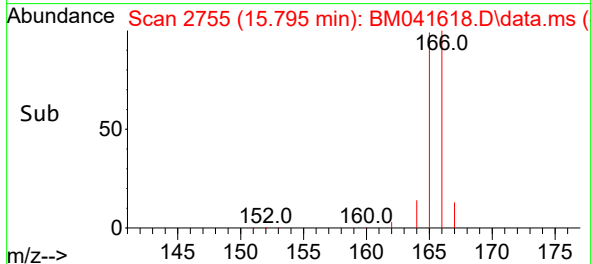
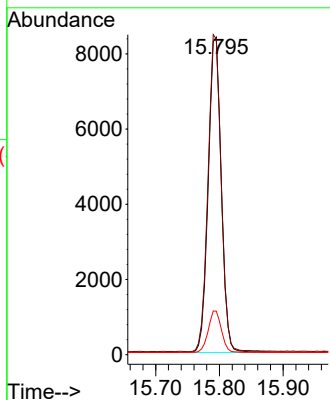
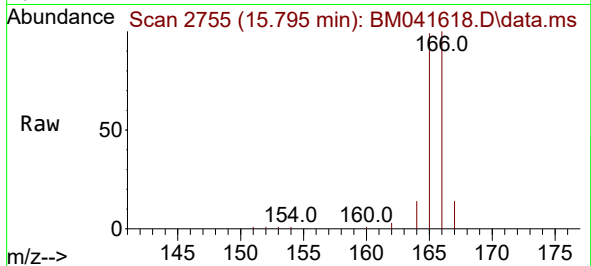




#12
Fluorene
Concen: 0.331 ng/ul
RT: 15.795 min Scan# 21
Delta R.T. -0.004 min
Lab File: BM041618.D
Acq: 31 Aug 2023 16:14

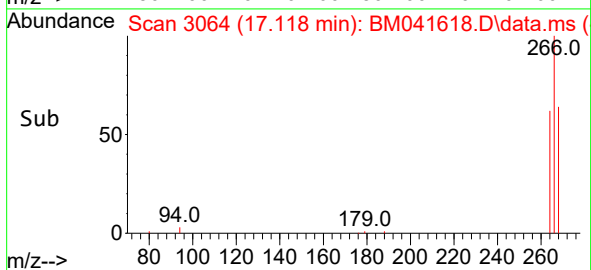
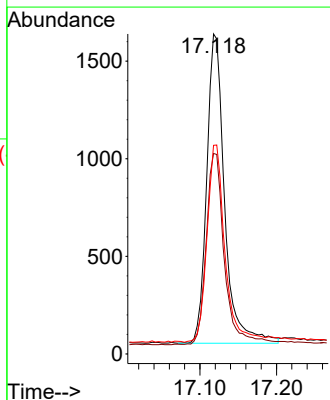
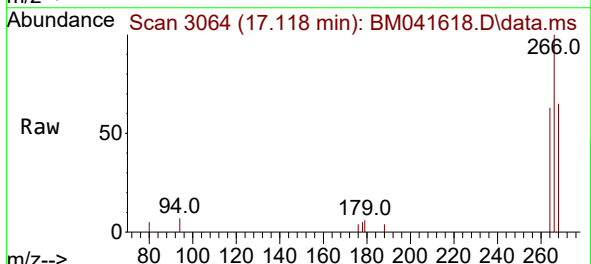
Instrument :
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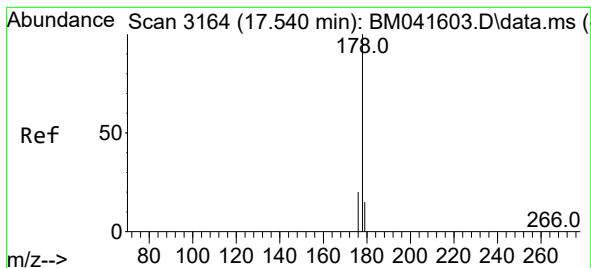
Tgt Ion:	166	Resp:	11901
Ion Ratio	Lower	Upper	
166	100		
165	99.5	82.2	123.2
167	13.7	11.5	17.3



#14
Pentachlorophenol
Concen: 0.535 ng/ul
RT: 17.118 min Scan# 3064
Delta R.T. -0.008 min
Lab File: BM041618.D
Acq: 31 Aug 2023 16:14

Tgt Ion:	266	Resp:	2575
Ion Ratio	Lower	Upper	
266	100		
264	62.5	49.3	73.9
268	64.6	50.2	75.4





#15

Phenanthrene

Concen: 0.327 ng/ul

RT: 17.540 min Scan# 3164

Delta R.T. -0.008 min

Lab File: BM041618.D

Acq: 31 Aug 2023 16:14

Instrument :

BNA_M

ClientSampleId :

SLCS127

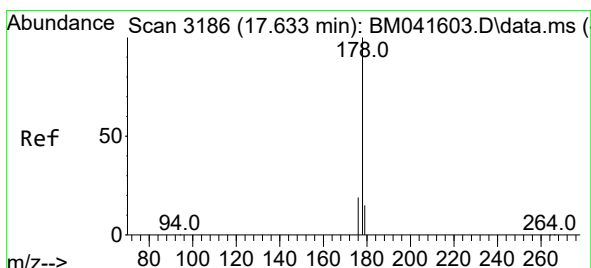
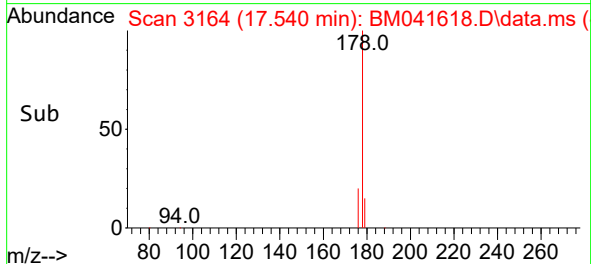
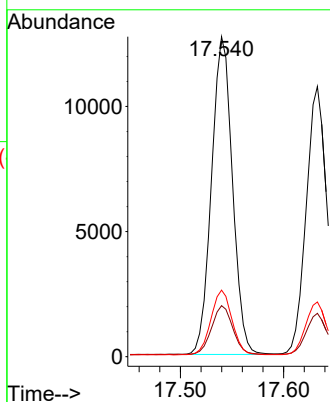
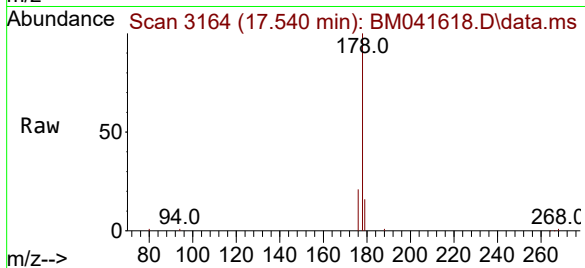
Tgt Ion:178 Resp: 17881

Ion Ratio Lower Upper

178 100

179 16.0 12.6 19.0

176 20.8 16.2 24.4



#16

Anthracene

Concen: 0.323 ng/ul

RT: 17.633 min Scan# 3186

Delta R.T. -0.008 min

Lab File: BM041618.D

Acq: 31 Aug 2023 16:14

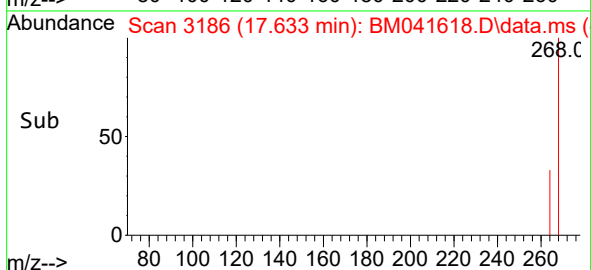
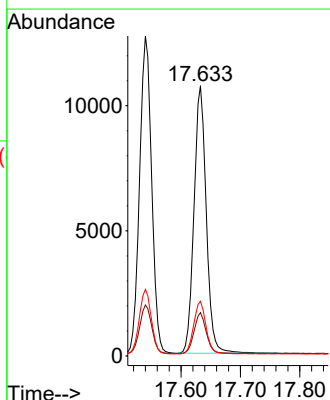
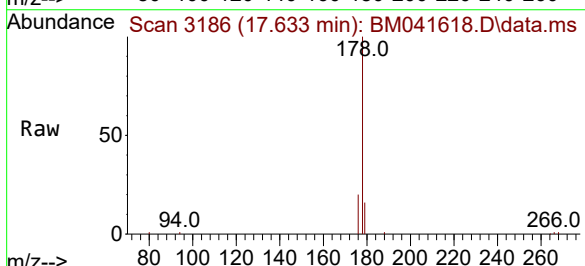
Tgt Ion:178 Resp: 15338

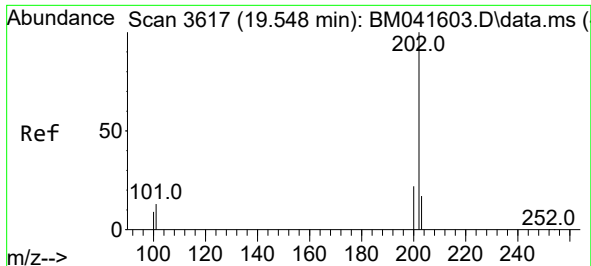
Ion Ratio Lower Upper

178 100

179 16.0 12.9 19.3

176 20.3 15.6 23.4





#19

Fluoranthene

Concen: 0.330 ng/ul

RT: 19.548 min Scan# 3617

Delta R.T. -0.009 min

Lab File: BM041618.D

Acq: 31 Aug 2023 16:14

Instrument :

BNA_M

ClientSampleId :

SLCS127

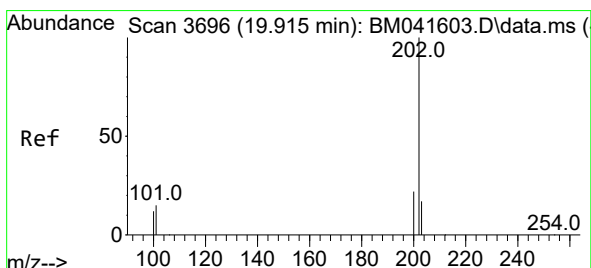
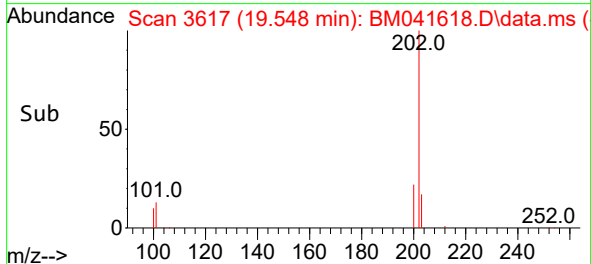
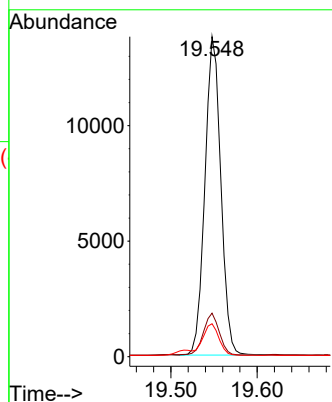
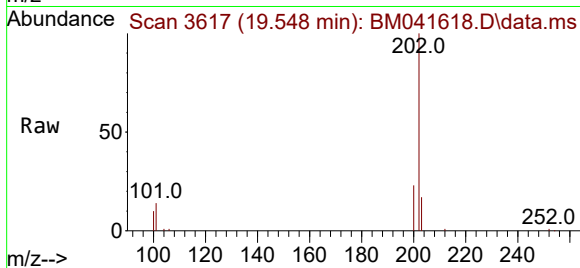
Tgt Ion:202 Resp: 17687

Ion Ratio Lower Upper

202 100

101 13.6 10.7 16.1

100 10.3 8.1 12.1



#20

Pyrene

Concen: 0.320 ng/ul

RT: 19.915 min Scan# 3696

Delta R.T. -0.009 min

Lab File: BM041618.D

Acq: 31 Aug 2023 16:14

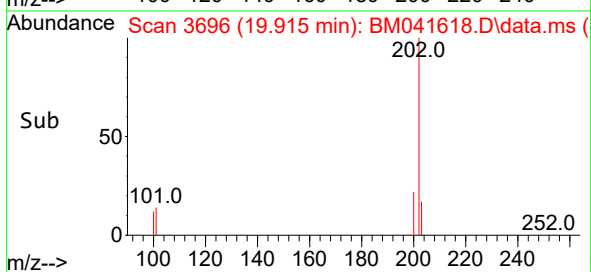
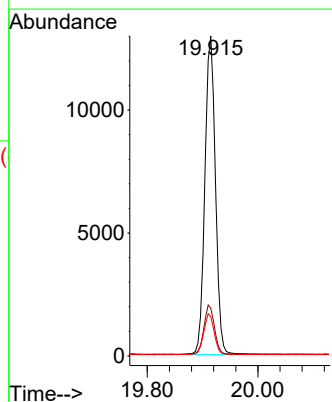
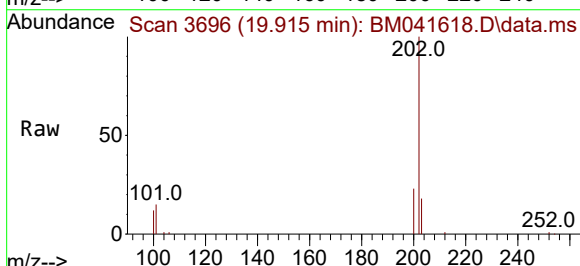
Tgt Ion:202 Resp: 17242

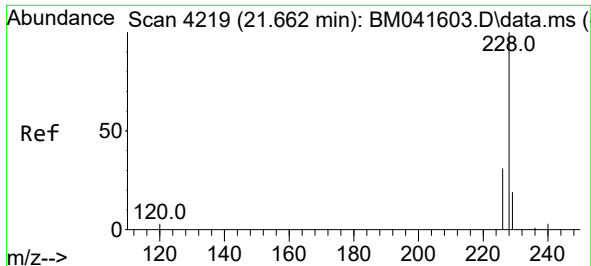
Ion Ratio Lower Upper

202 100

101 15.0 12.2 18.4

100 12.3 9.8 14.8

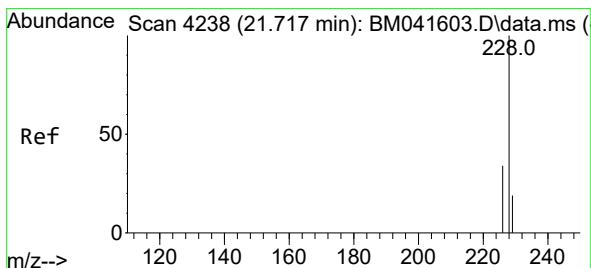
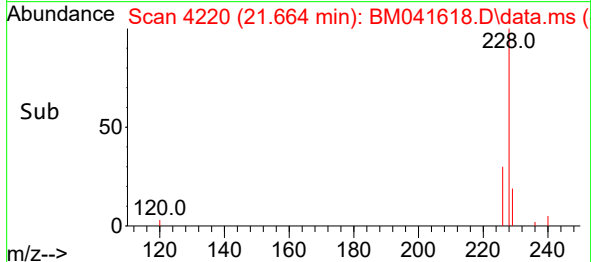
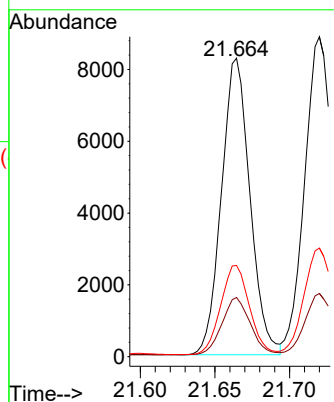
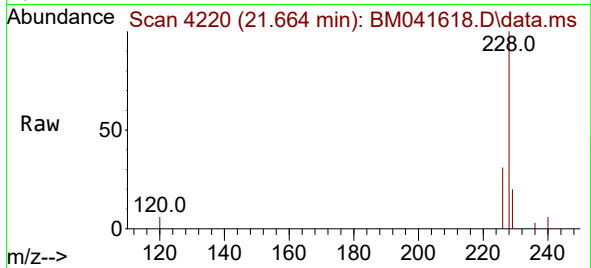




#21
Benzo(a)anthracene
Concen: 0.301 ng/ul
RT: 21.664 min Scan# 4219
Delta R.T. -0.006 min
Lab File: BM041618.D
Acq: 31 Aug 2023 16:14

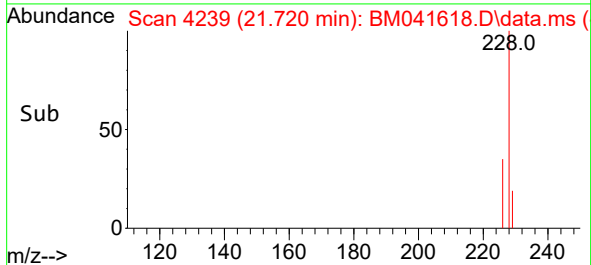
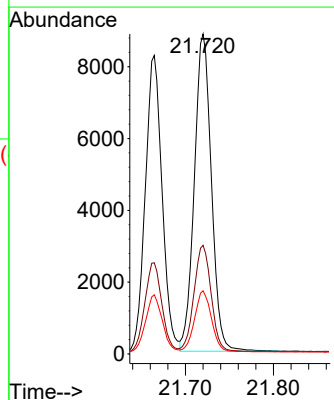
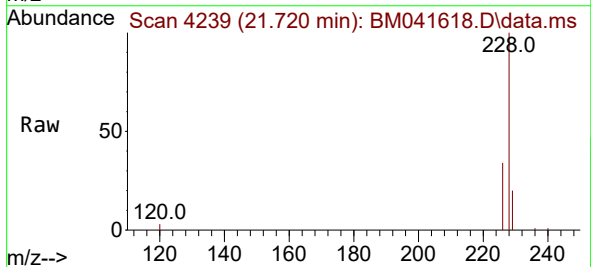
Instrument :
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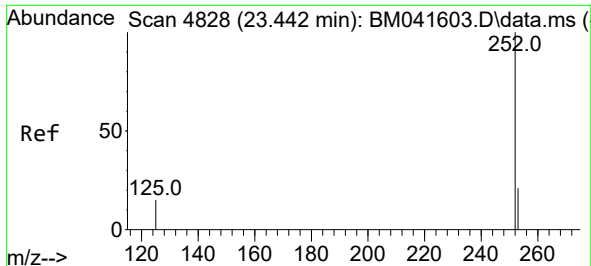
Tgt Ion:228 Resp: 10985
Ion Ratio Lower Upper
228 100
229 19.9 15.6 23.4
226 30.6 25.0 37.4



#22
Chrysene
Concen: 0.304 ng/ul
RT: 21.720 min Scan# 4239
Delta R.T. -0.009 min
Lab File: BM041618.D
Acq: 31 Aug 2023 16:14

Tgt Ion:228 Resp: 11929
Ion Ratio Lower Upper
228 100
226 33.9 26.7 40.1
229 19.8 15.9 23.9

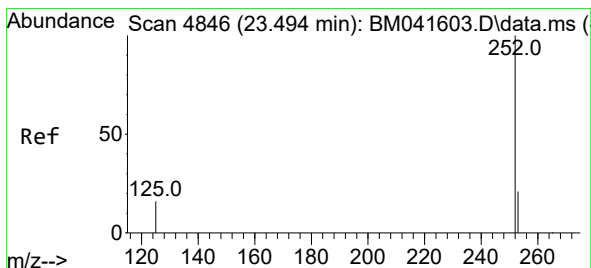
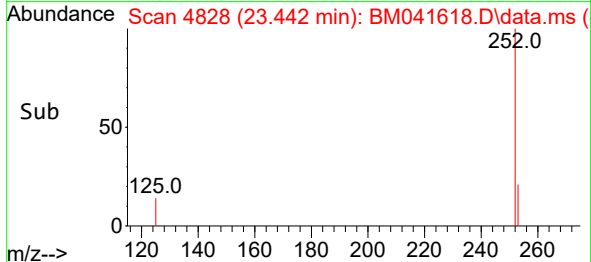
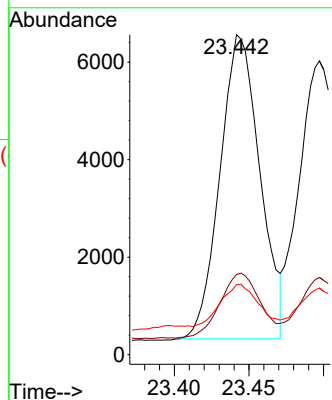
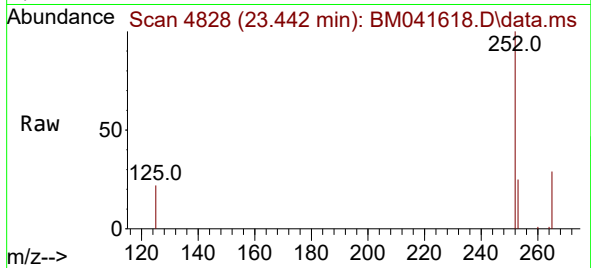




#24
Benzo(b)fluoranthene
Concen: 0.314 ng/ul
RT: 23.442 min Scan# 4828
Delta R.T. -0.017 min
Lab File: BM041618.D
Acq: 31 Aug 2023 16:14

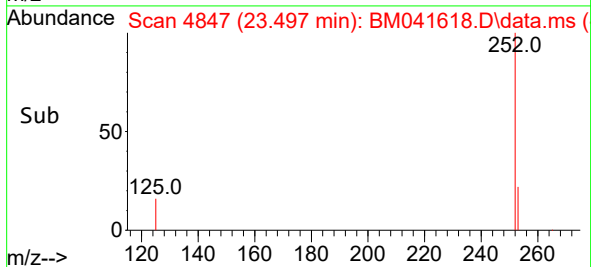
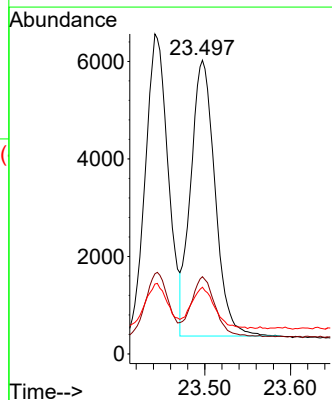
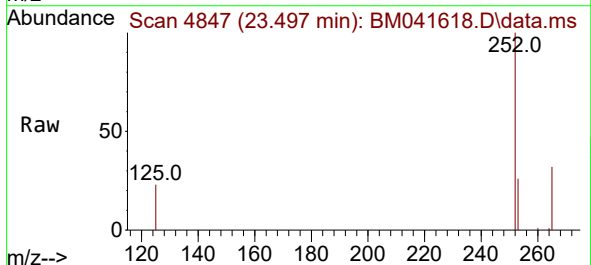
Instrument :
BNA_M
ClientSampleId :
SLCS127

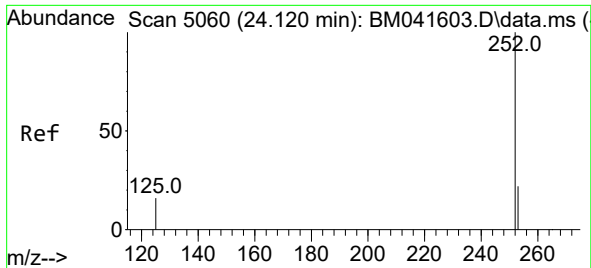
Tgt Ion:252 Resp: 11615
Ion Ratio Lower Upper
252 100
253 25.1 0.0 50.0
125 21.8 0.0 44.0



#25
Benzo(k)fluoranthene
Concen: 0.317 ng/ul
RT: 23.497 min Scan# 4847
Delta R.T. -0.014 min
Lab File: BM041618.D
Acq: 31 Aug 2023 16:14

Tgt Ion:252 Resp: 11140
Ion Ratio Lower Upper
252 100
253 26.3 20.2 30.4
125 22.7 18.2 27.4

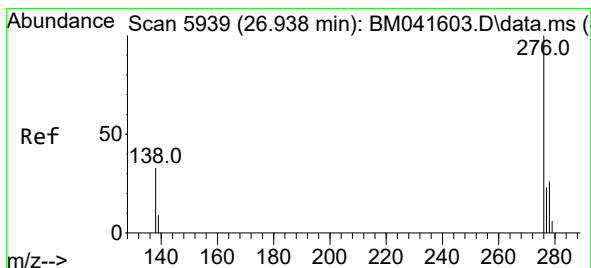
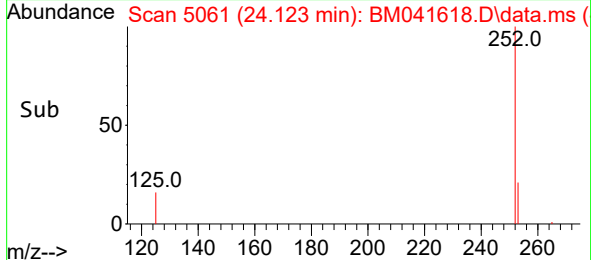
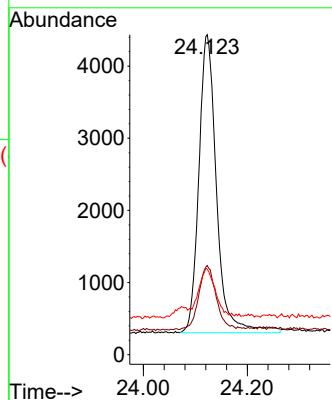
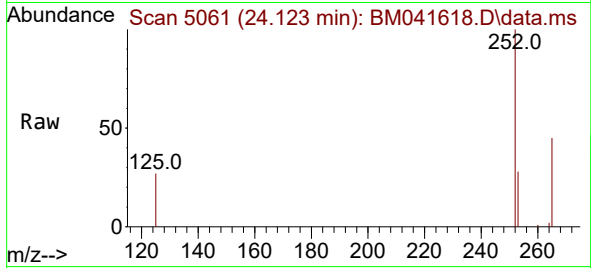




#26
Benzo(a)pyrene
Concen: 0.296 ng/ul
RT: 24.123 min Scan# 5061
Delta R.T. -0.014 min
Lab File: BM041618.D
Acq: 31 Aug 2023 16:14

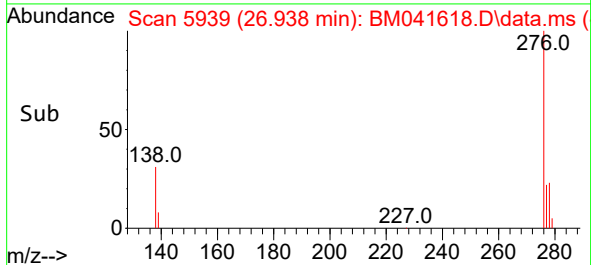
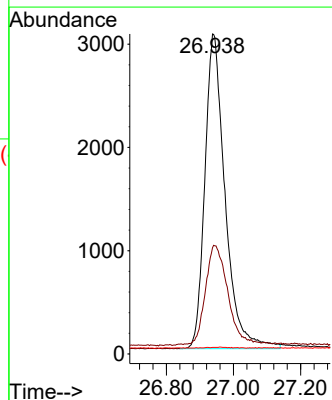
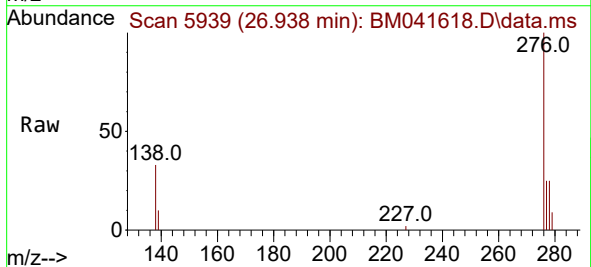
Instrument :
BNA_M
ClientSampleId :
SLCS127

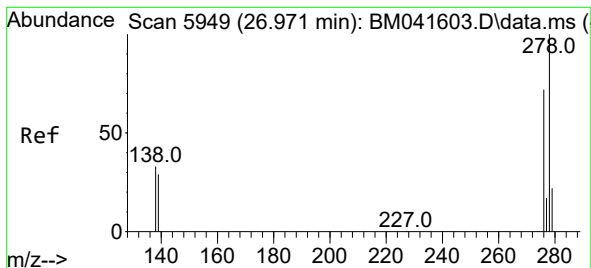
Tgt Ion:252 Resp: 9763
Ion Ratio Lower Upper
252 100
253 27.8 20.9 31.3
125 26.7 21.1 31.7



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.289 ng/ul
RT: 26.938 min Scan# 5939
Delta R.T. -0.027 min
Lab File: BM041618.D
Acq: 31 Aug 2023 16:14

Tgt Ion:276 Resp: 12707
Ion Ratio Lower Upper
276 100
138 34.6 30.3 45.5
227 0.0 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.294 ng/ul

RT: 26.971 min Scan# 5949

Delta R.T. -0.023 min

Lab File: BM041618.D

Acq: 31 Aug 2023 16:14

Instrument :

BNA_M

ClientSampleId :

SLCS127

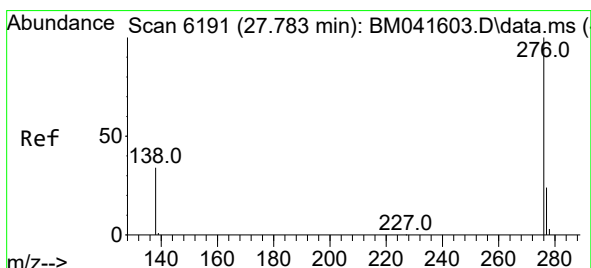
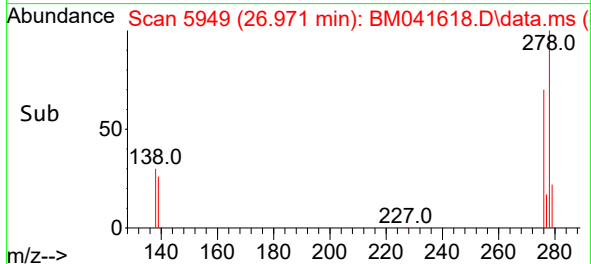
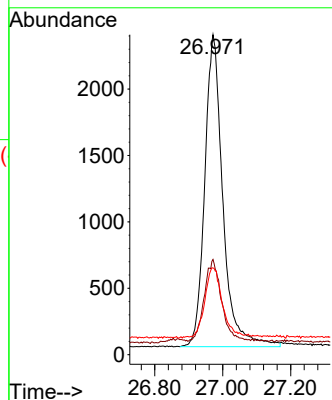
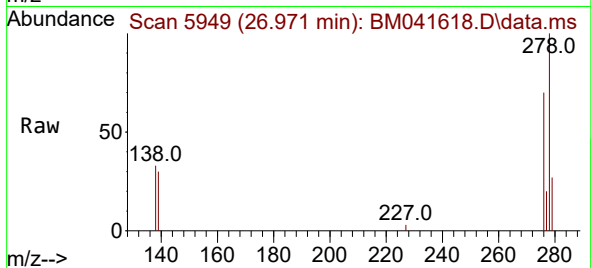
Tgt Ion:278 Resp: 8691

Ion Ratio Lower Upper

278 100

139 29.8 25.0 37.4

279 27.1 22.6 34.0



#29

Benzo(g,h,i)perylene

Concen: 0.297 ng/ul

RT: 27.779 min Scan# 6190

Delta R.T. -0.027 min

Lab File: BM041618.D

Acq: 31 Aug 2023 16:14

Tgt Ion:276 Resp: 10978

Ion Ratio Lower Upper

276 100

138 33.2 27.4 41.0

277 25.4 20.4 30.6

