

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071723\
 Data File : BM040914.D
 Acq On : 17 Jul 2023 09:03
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4182

Quant Time: Jul 18 02:45:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 15 03:58:02 2023
 Response via : Initial Calibration

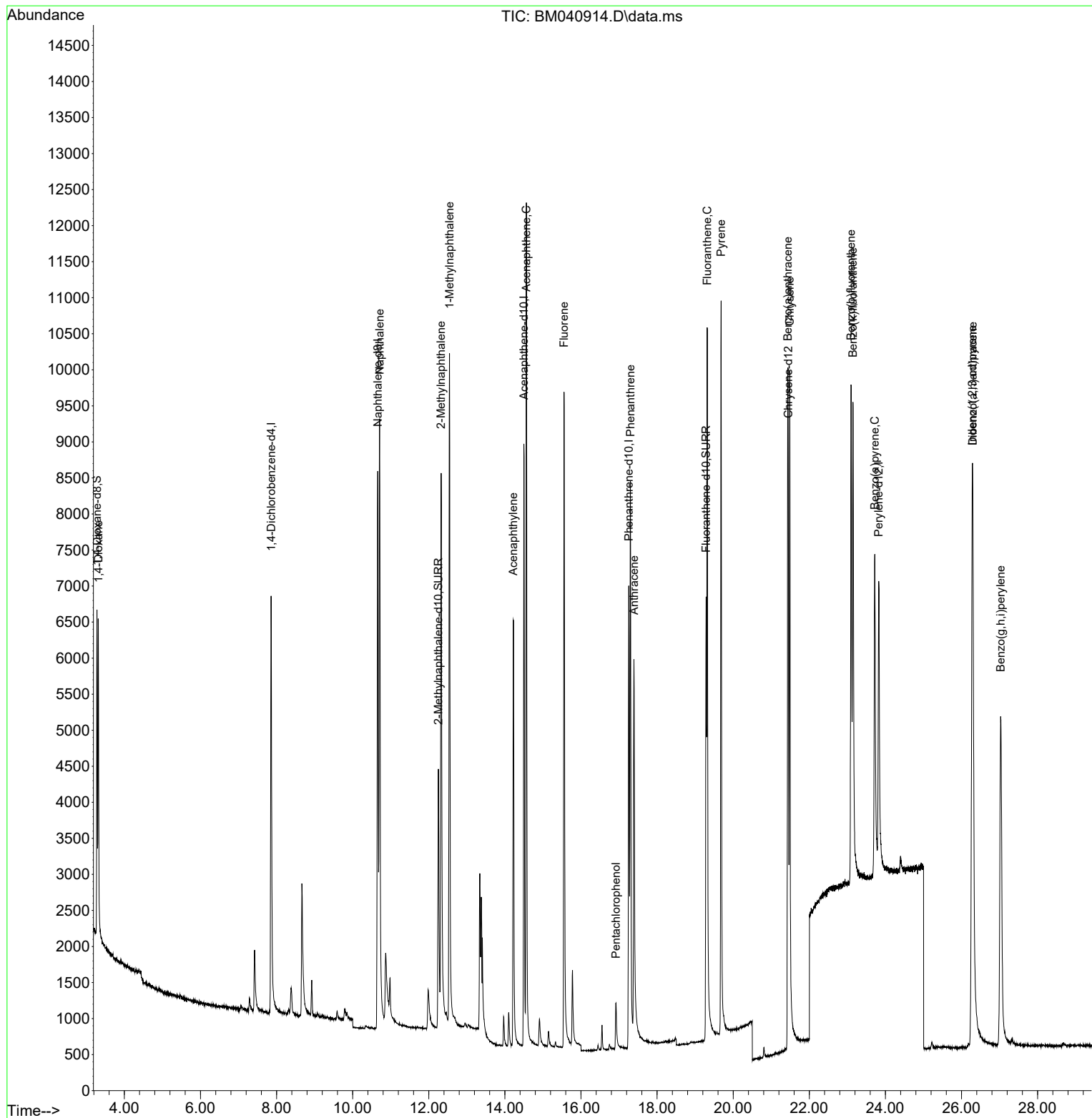
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	3777	0.400	ng/ul	0.00
4) Naphthalene-d8	10.658	136	12137	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.500	164	4893	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.257	188	8241	0.400	ng/ul	0.00
17) Chrysene-d12	21.448	240	6207	0.400	ng/ul	0.00
23) Perylene-d12	23.825	264	6559	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	2655	0.448	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.253	152	6224	0.366	ng/ul	0.00
18) Fluoranthene-d10	19.287	212	7457	0.375	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.317	88	2705	0.448	ng/ul	93
5) Naphthalene	10.708	128	13276	0.397	ng/ul	99
7) 2-Methylnaphthalene	12.324	142	7066	0.359	ng/ul	97
8) 1-Methylnaphthalene	12.544	142	7111	0.362	ng/ul	97
10) Acenaphthylene	14.222	152	7954	0.364	ng/ul	98
11) Acenaphthene	14.564	153	7016	0.380	ng/ul	98
12) Fluorene	15.554	166	6924	0.351	ng/ul	97
14) Pentachlorophenol	16.919	266	668	0.421	ng/ul	91
15) Phenanthrene	17.299	178	9687	0.378	ng/ul	99
16) Anthracene	17.392	178	7515	0.349	ng/ul	99
19) Fluoranthene	19.320	202	9546	0.362	ng/ul	97
20) Pyrene	19.682	202	9956	0.352	ng/ul	98
21) Benzo(a)anthracene	21.434	228	7489	0.357	ng/ul	100
22) Chrysene	21.486	228	8882	0.371	ng/ul	98
24) Benzo(b)fluoranthene	23.097	252	9829	0.387	ng/ul	99
25) Benzo(k)fluoranthene	23.146	252	9328	0.373	ng/ul	99
26) Benzo(a)pyrene	23.719	252	8442	0.369	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.280	276	12766	0.401	ng/ul	94
28) Dibenzo(a,h)anthracene	26.297	278	10207	0.409	ng/ul	98
29) Benzo(g,h,i)perylene	27.028	276	11439	0.410	ng/ul	98

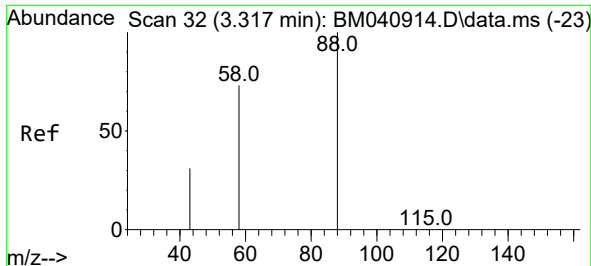
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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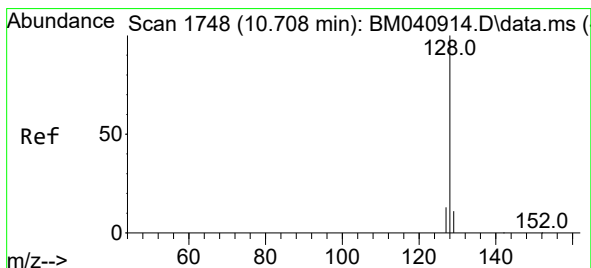
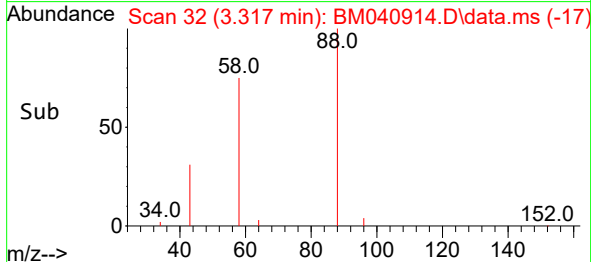
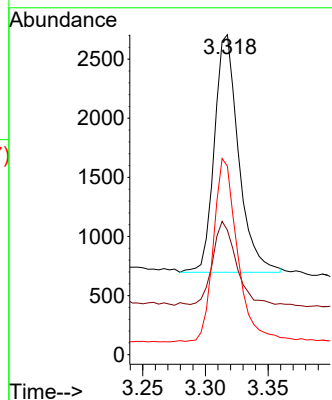
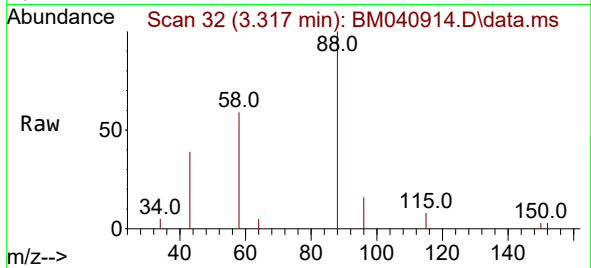




#2
1,4-Dioxane
Concen: 0.448 ng/ul
RT: 3.317 min Scan# 31
Delta R.T. 0.004 min
Lab File: BM040914.D
Acq: 17 Jul 2023 09:03

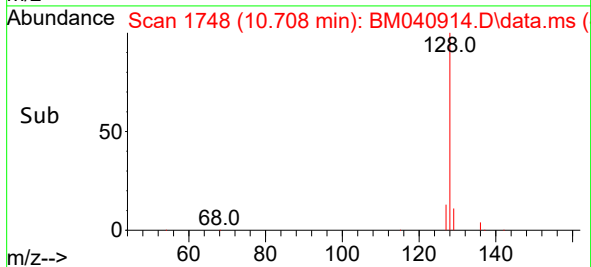
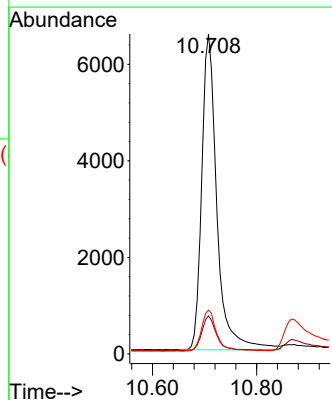
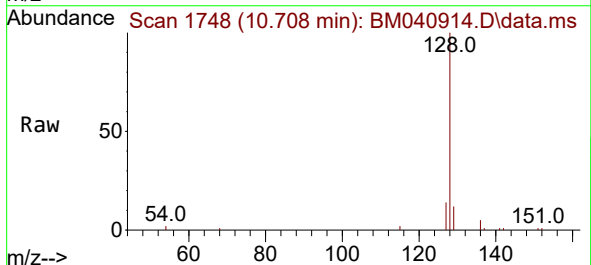
Instrument :
BNA_M
ClientSampleId :
SSTD0.4182

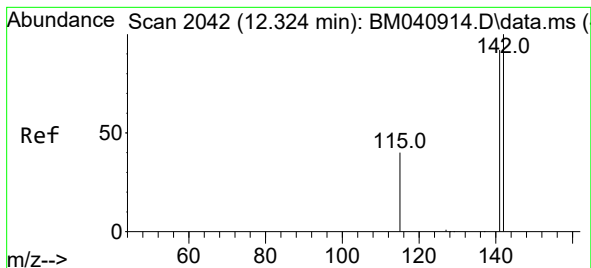
Tgt Ion: 88 Resp: 2705
Ion Ratio Lower Upper
88 100
43 38.9 36.1 54.1
58 58.9 49.8 74.8



#5
Naphthalene
Concen: 0.397 ng/ul
RT: 10.708 min Scan# 1748
Delta R.T. -0.005 min
Lab File: BM040914.D
Acq: 17 Jul 2023 09:03

Tgt Ion: 128 Resp: 13276
Ion Ratio Lower Upper
128 100
129 11.9 9.2 13.8
127 13.7 10.6 15.8

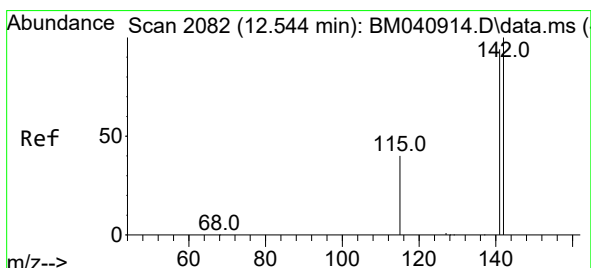
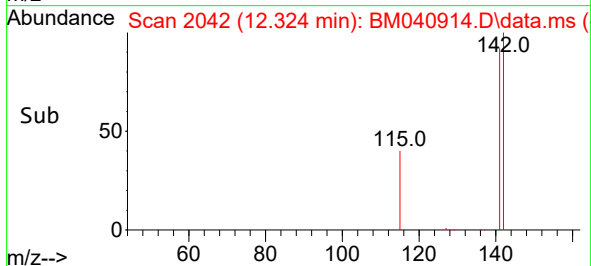
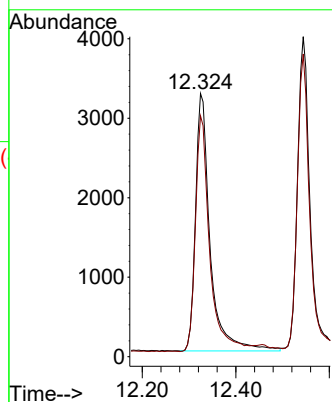
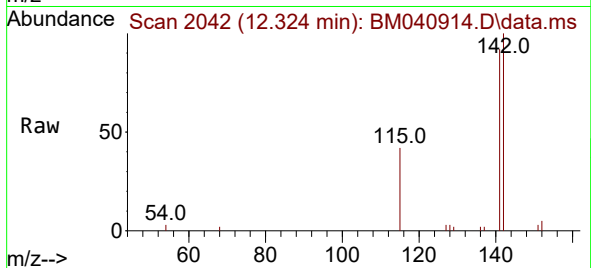




#7
2-Methylnaphthalene
Concen: 0.359 ng/ul
RT: 12.324 min Scan# 2042
Delta R.T. -0.005 min
Lab File: BM040914.D
Acq: 17 Jul 2023 09:03

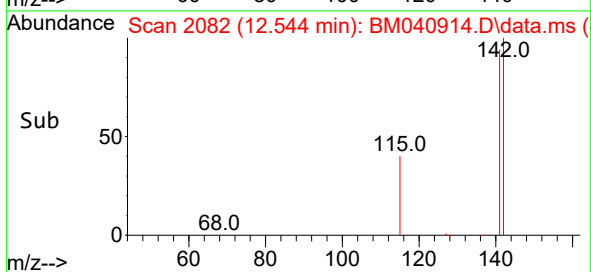
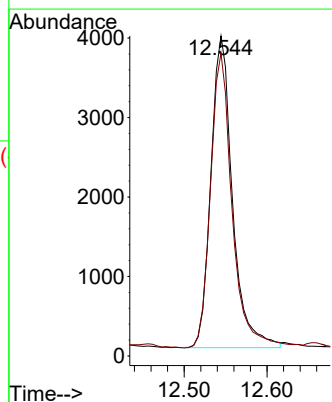
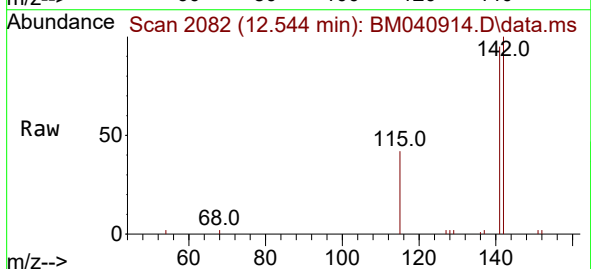
Instrument :
BNA_M
ClientSampleId :
SSTD0.4182

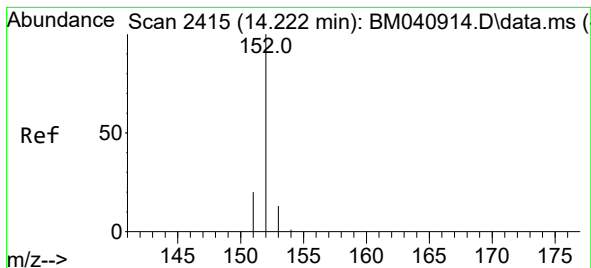
Tgt Ion:142 Resp: 7066
Ion Ratio Lower Upper
142 100
141 92.9 71.9 107.9



#8
1-Methylnaphthalene
Concen: 0.362 ng/ul
RT: 12.544 min Scan# 2082
Delta R.T. -0.005 min
Lab File: BM040914.D
Acq: 17 Jul 2023 09:03

Tgt Ion:142 Resp: 7111
Ion Ratio Lower Upper
142 100
141 94.5 73.7 110.5





#10

Acenaphthylene

Concen: 0.364 ng/ul

RT: 14.222 min Scan# 2415

Delta R.T. -0.009 min

Lab File: BM040914.D

Acq: 17 Jul 2023 09:03

Instrument :

BNA_M

ClientSampleId :

SSTD0.4182

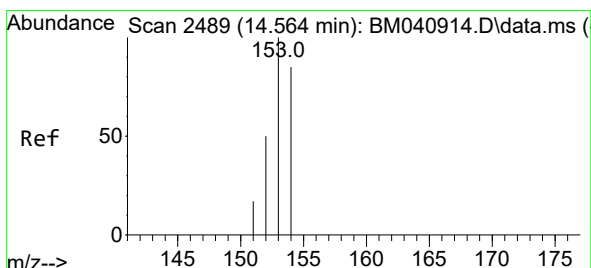
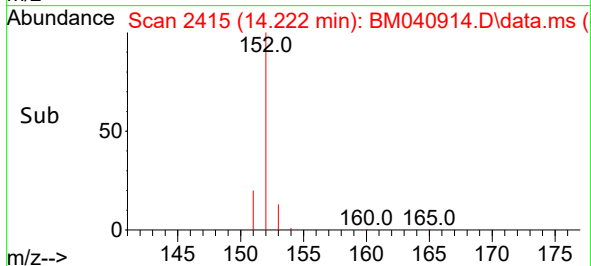
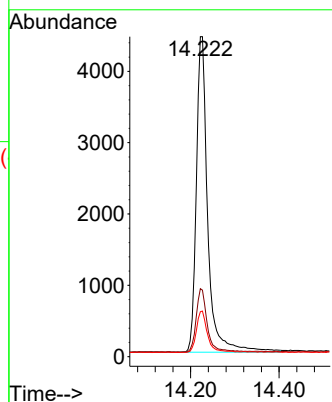
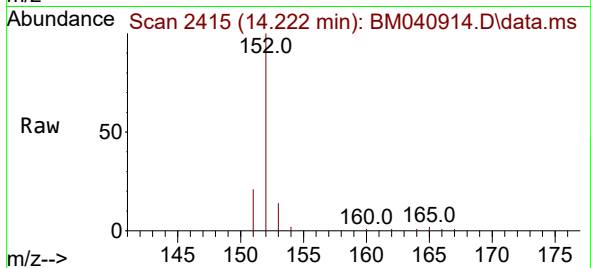
Tgt Ion:152 Resp: 7954

Ion Ratio Lower Upper

152 100

151 21.3 16.2 24.2

153 14.1 10.9 16.3



#11

Acenaphthene

Concen: 0.380 ng/ul

RT: 14.564 min Scan# 2489

Delta R.T. -0.005 min

Lab File: BM040914.D

Acq: 17 Jul 2023 09:03

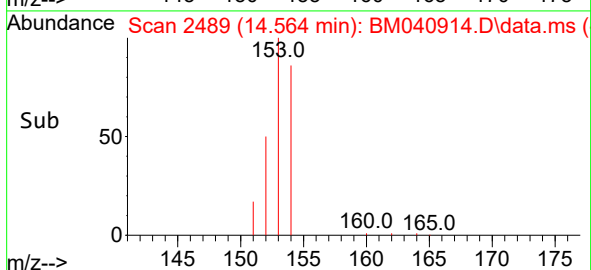
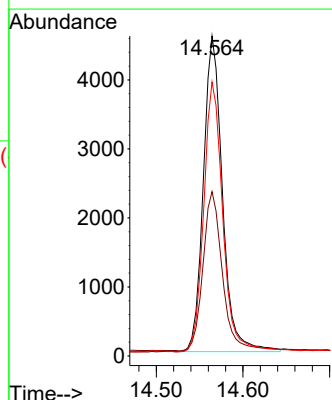
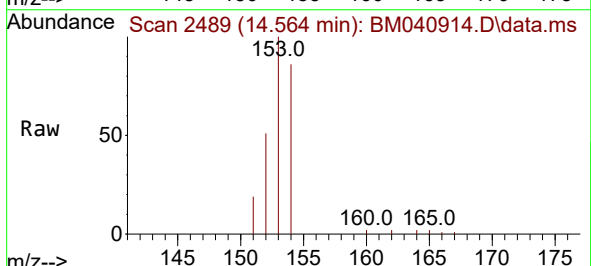
Tgt Ion:153 Resp: 7016

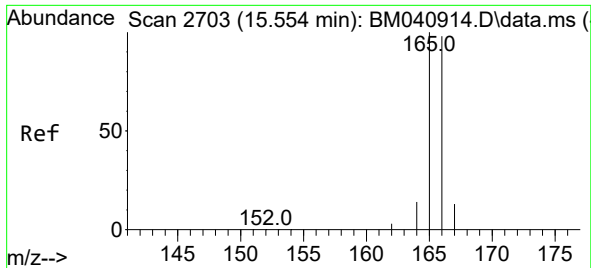
Ion Ratio Lower Upper

153 100

152 51.4 41.0 61.4

154 85.6 70.8 106.2

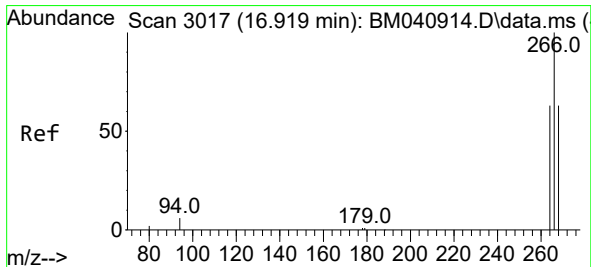
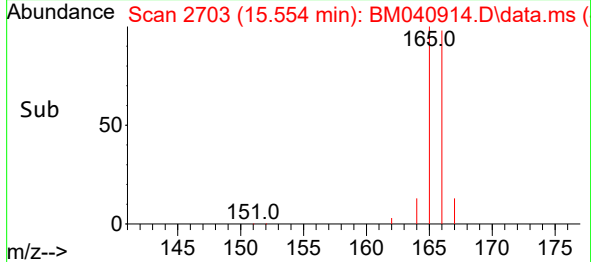
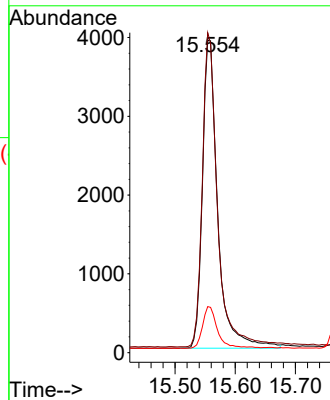
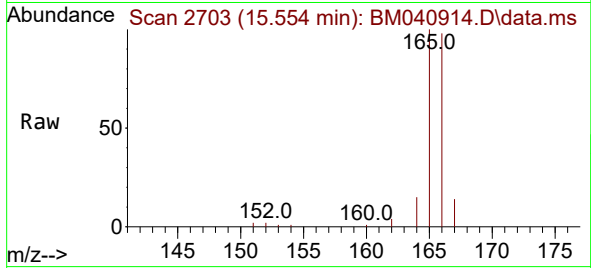




#12
Fluorene
Concen: 0.351 ng/ul
RT: 15.554 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM040914.D
Acq: 17 Jul 2023 09:03

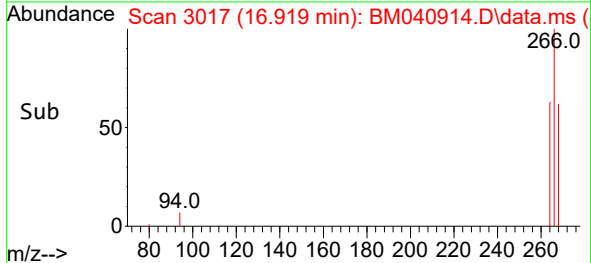
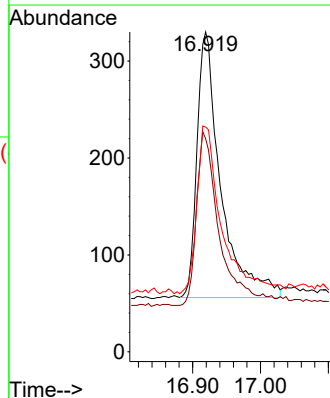
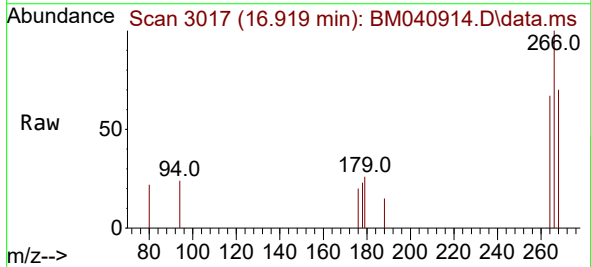
Instrument :
BNA_M
ClientSampleId :
SSTD0.4182

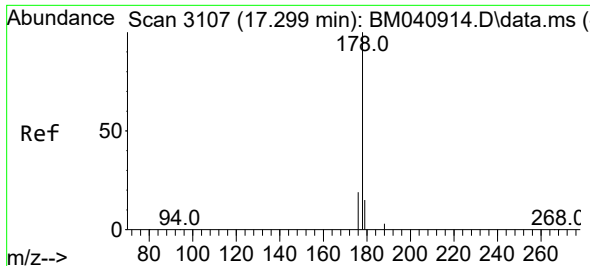
Tgt Ion:166 Resp: 6924
Ion Ratio Lower Upper
166 100
165 102.5 79.6 119.4
167 14.8 11.4 17.0



#14
Pentachlorophenol
Concen: 0.421 ng/ul
RT: 16.919 min Scan# 3017
Delta R.T. 0.000 min
Lab File: BM040914.D
Acq: 17 Jul 2023 09:03

Tgt Ion:266 Resp: 668
Ion Ratio Lower Upper
266 100
264 63.6 45.4 68.0
268 65.6 47.2 70.8

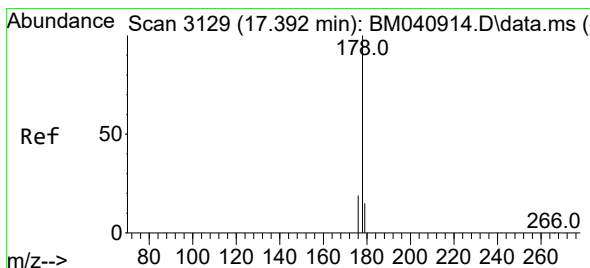
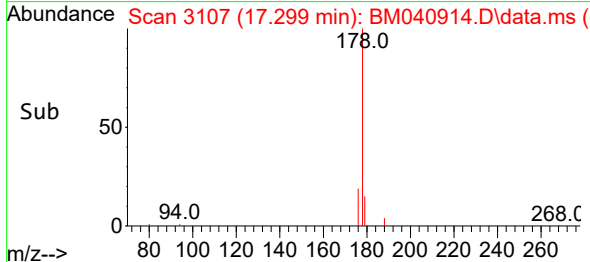
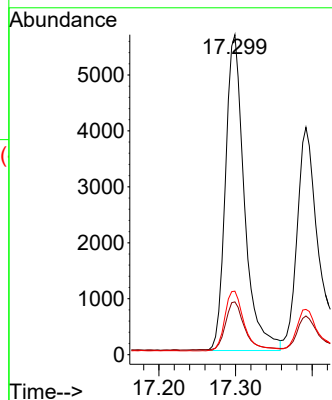
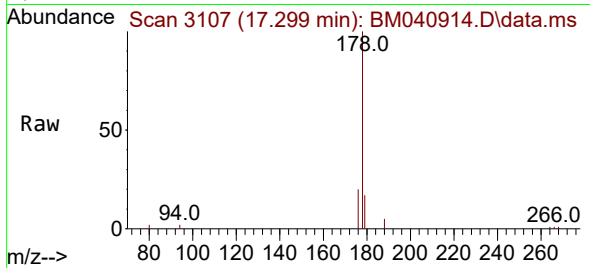




#15
Phenanthrene
Concen: 0.378 ng/ul
RT: 17.299 min Scan# 3107
Delta R.T. -0.004 min
Lab File: BM040914.D
Acq: 17 Jul 2023 09:03

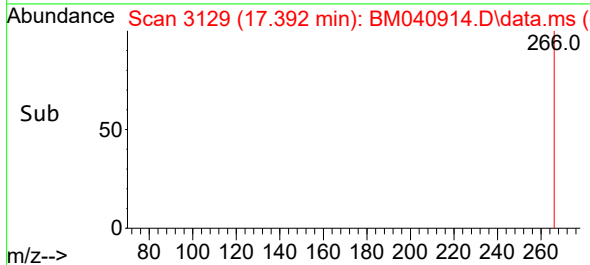
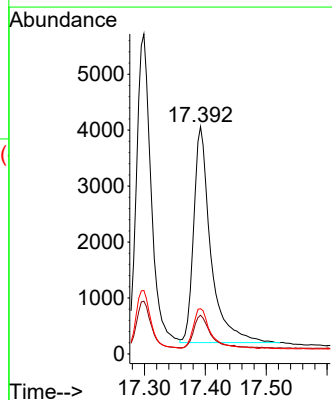
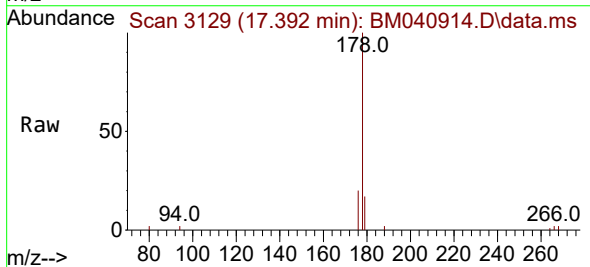
Instrument :
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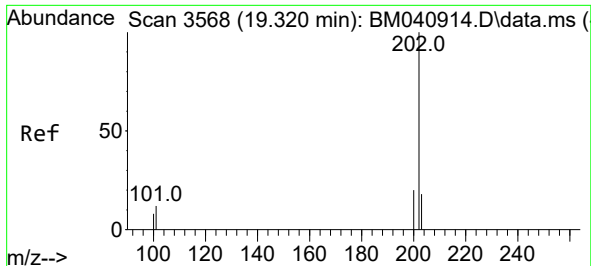
Tgt Ion:178 Resp: 9687
Ion Ratio Lower Upper
178 100
179 16.5 12.8 19.2
176 19.8 16.4 24.6



#16
Anthracene
Concen: 0.349 ng/ul
RT: 17.392 min Scan# 3129
Delta R.T. -0.004 min
Lab File: BM040914.D
Acq: 17 Jul 2023 09:03

Tgt Ion:178 Resp: 7515
Ion Ratio Lower Upper
178 100
179 17.0 12.9 19.3
176 19.9 15.8 23.6

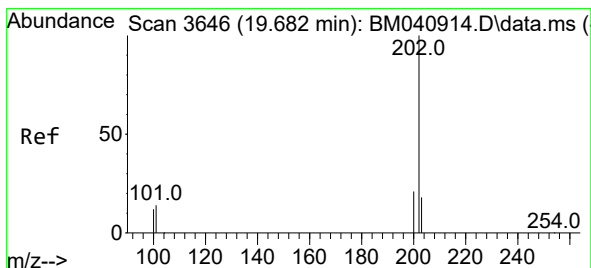
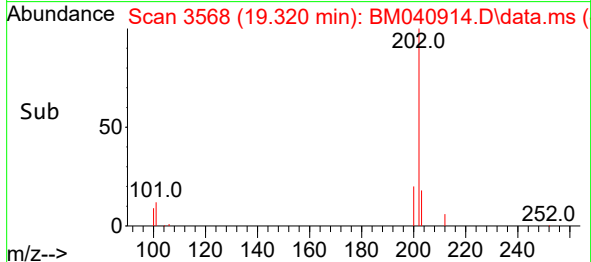
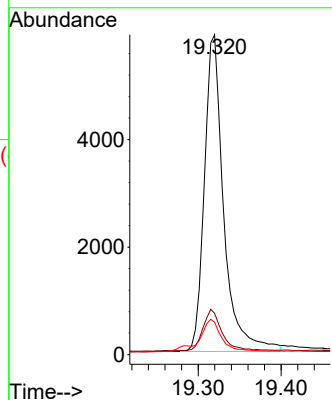
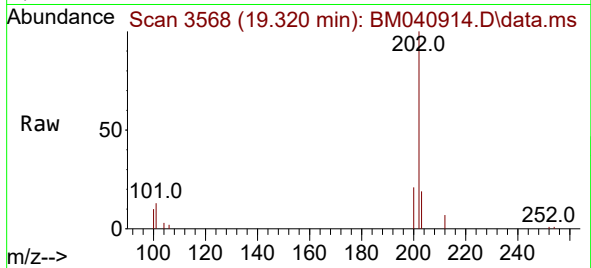




#19
Fluoranthene
Concen: 0.362 ng/ul
RT: 19.320 min Scan# 3568
Delta R.T. -0.005 min
Lab File: BM040914.D
Acq: 17 Jul 2023 09:03

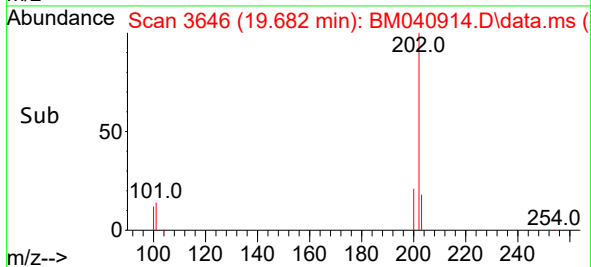
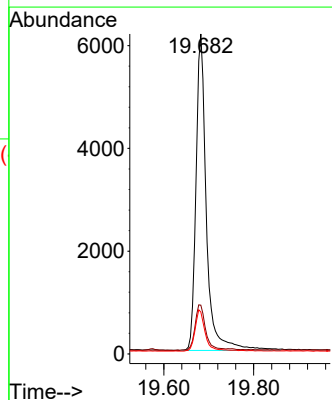
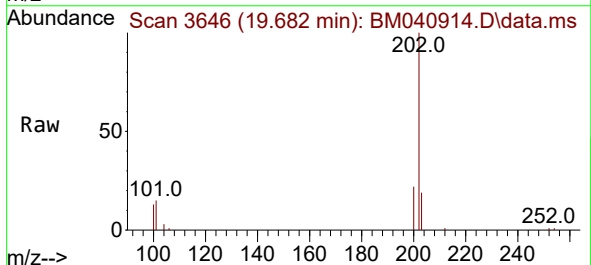
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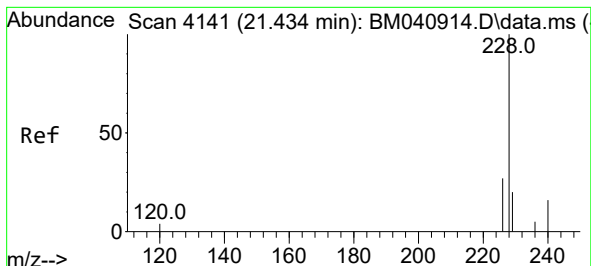
Tgt Ion:202 Resp: 9546
Ion Ratio Lower Upper
202 100
101 13.0 11.4 17.0
100 10.2 8.7 13.1



#20
Pyrene
Concen: 0.352 ng/ul
RT: 19.682 min Scan# 3646
Delta R.T. -0.005 min
Lab File: BM040914.D
Acq: 17 Jul 2023 09:03

Tgt Ion:202 Resp: 9956
Ion Ratio Lower Upper
202 100
101 15.3 12.6 18.8
100 13.1 9.8 14.6





#21

Benzo(a)anthracene

Concen: 0.357 ng/ul

RT: 21.434 min Scan# 4141

Delta R.T. 0.000 min

Lab File: BM040914.D

Acq: 17 Jul 2023 09:03

Instrument :

BNA_M

ClientSampleId :

SSTD0.4182

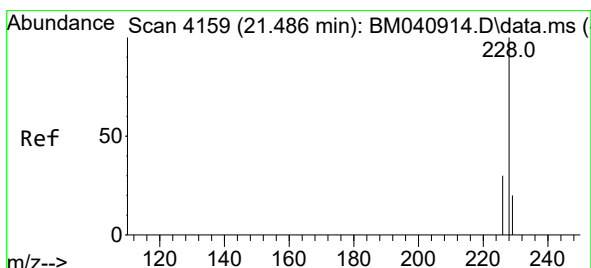
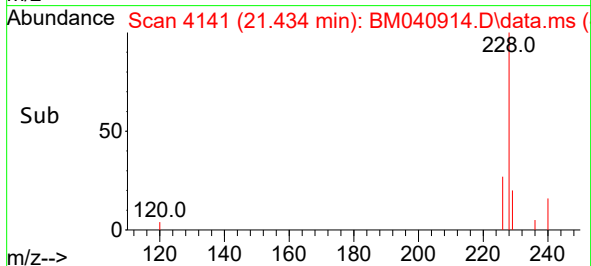
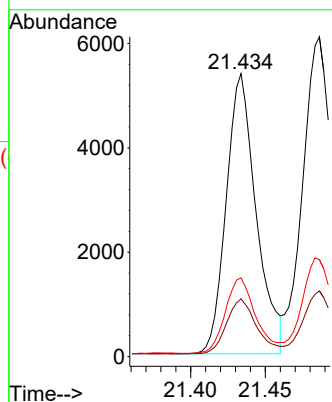
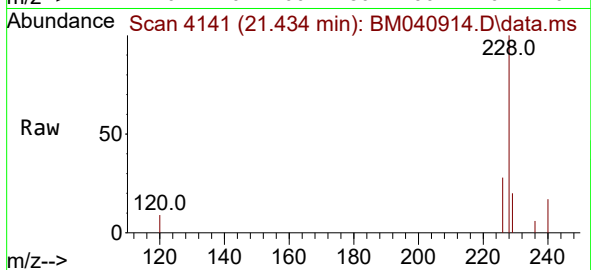
Tgt Ion:228 Resp: 7489

Ion Ratio Lower Upper

228 100

229 20.4 16.0 24.0

226 27.9 22.3 33.5



#22

Chrysene

Concen: 0.371 ng/ul

RT: 21.486 min Scan# 4159

Delta R.T. 0.000 min

Lab File: BM040914.D

Acq: 17 Jul 2023 09:03

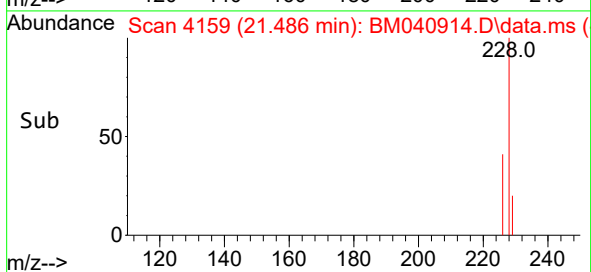
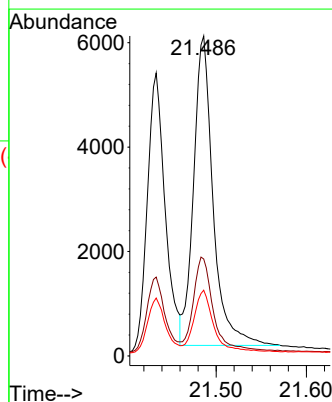
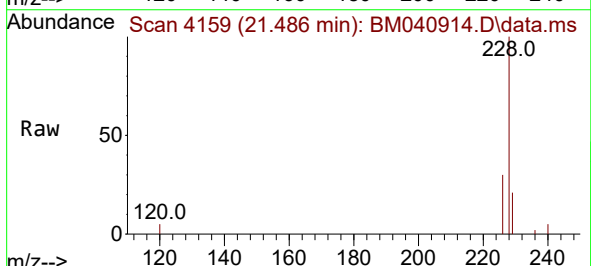
Tgt Ion:228 Resp: 8882

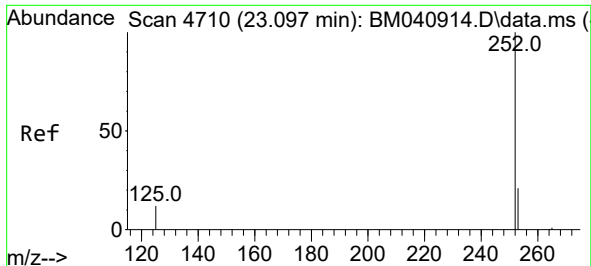
Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

229 20.6 15.8 23.6

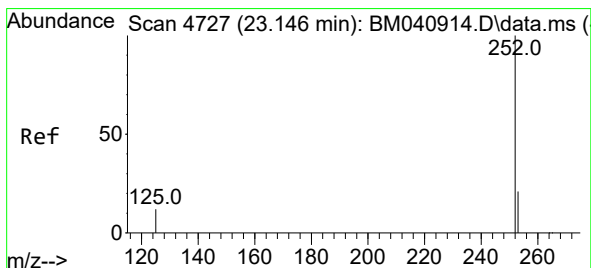
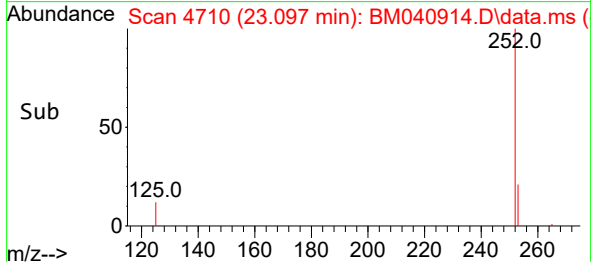
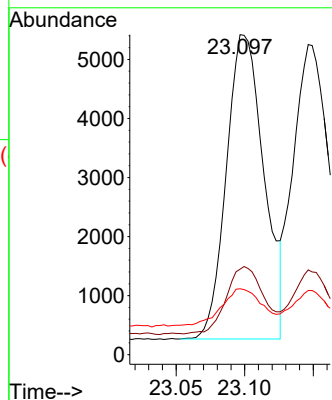
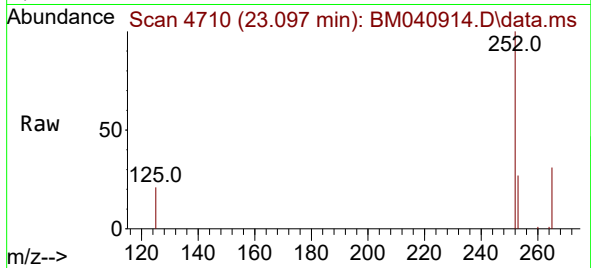




#24
Benzo(b)fluoranthene
Concen: 0.387 ng/ul
RT: 23.097 min Scan# 4710
Delta R.T. -0.006 min
Lab File: BM040914.D
Acq: 17 Jul 2023 09:03

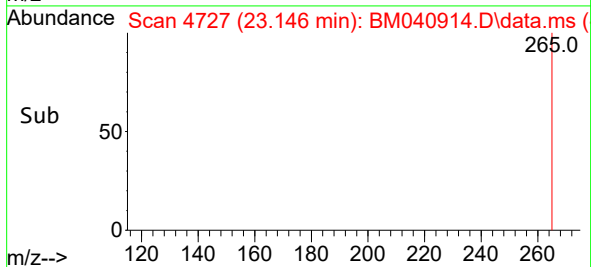
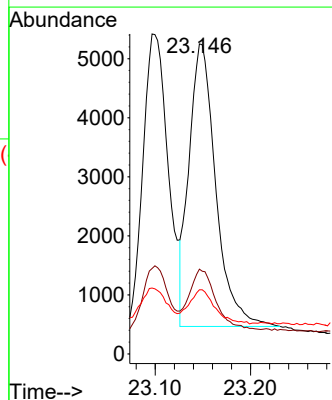
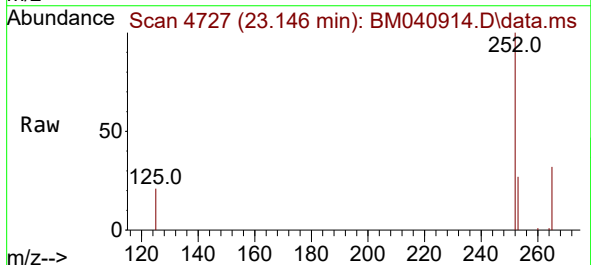
Instrument :
BNA_M
ClientSampleId :
SSTD0.4182

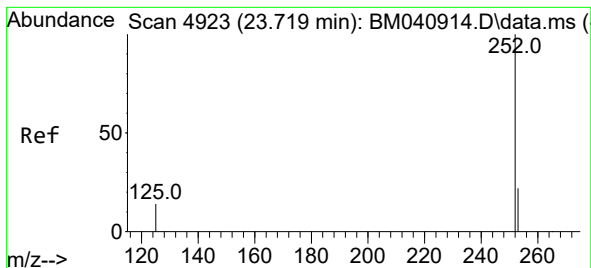
Tgt Ion:252 Resp: 9829
Ion Ratio Lower Upper
252 100
253 26.7 0.0 52.8
125 20.6 0.0 43.0



#25
Benzo(k)fluoranthene
Concen: 0.373 ng/ul
RT: 23.146 min Scan# 4727
Delta R.T. -0.003 min
Lab File: BM040914.D
Acq: 17 Jul 2023 09:03

Tgt Ion:252 Resp: 9328
Ion Ratio Lower Upper
252 100
253 27.4 21.2 31.8
125 20.7 16.4 24.6





#26

Benzo(a)pyrene

Concen: 0.369 ng/ul

RT: 23.719 min Scan# 4923

Delta R.T. -0.003 min

Lab File: BM040914.D

Acq: 17 Jul 2023 09:03

Instrument :

BNA_M

ClientSampleId :

SSTD0.4182

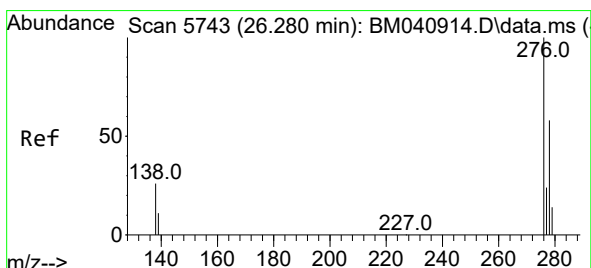
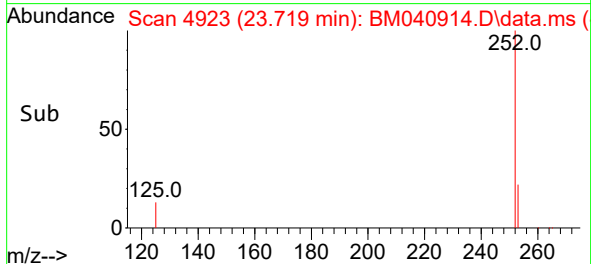
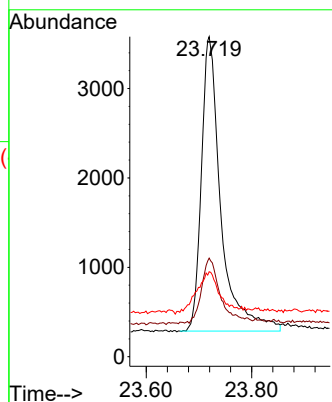
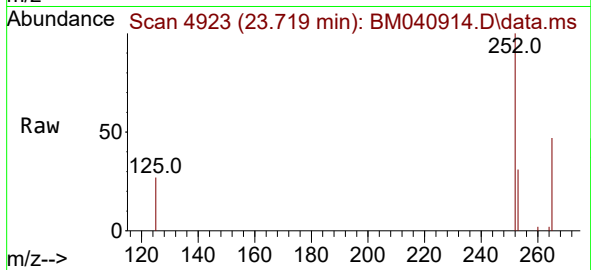
Tgt Ion:252 Resp: 8442

Ion Ratio Lower Upper

252 100

253 30.8 22.9 34.3

125 26.5 21.0 31.4



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.401 ng/ul

RT: 26.280 min Scan# 5743

Delta R.T. -0.010 min

Lab File: BM040914.D

Acq: 17 Jul 2023 09:03

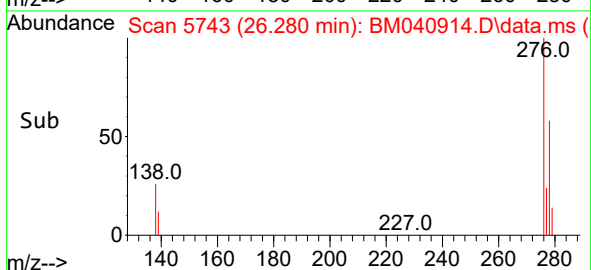
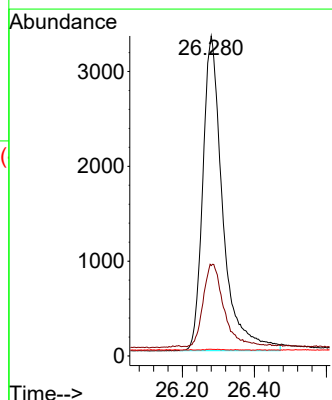
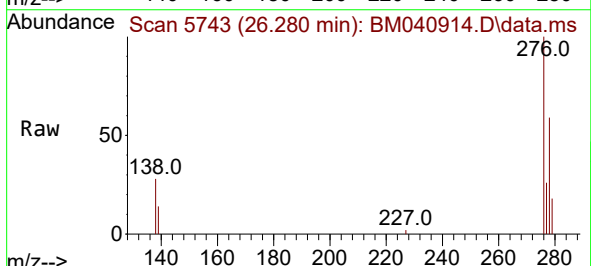
Tgt Ion:276 Resp: 12766

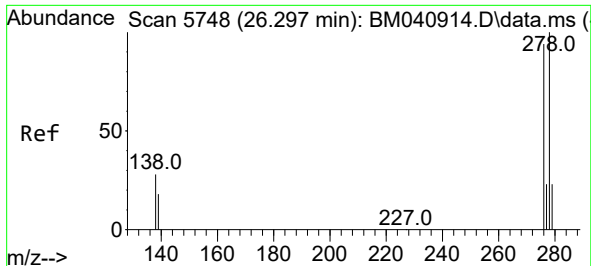
Ion Ratio Lower Upper

276 100

138 27.2 24.5 36.7

227 0.1 0.1 0.1

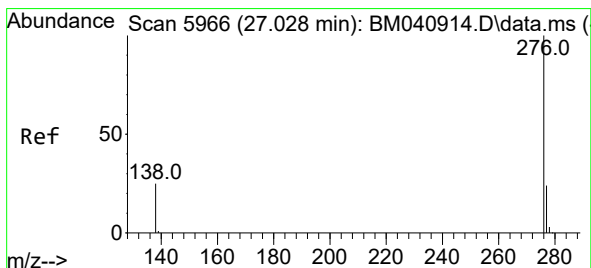
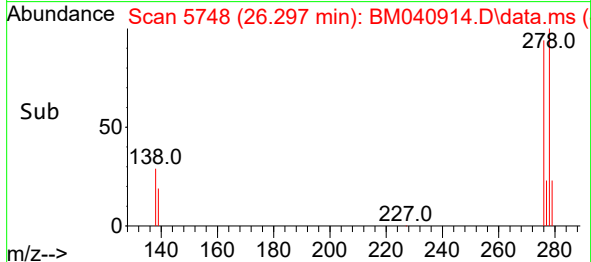
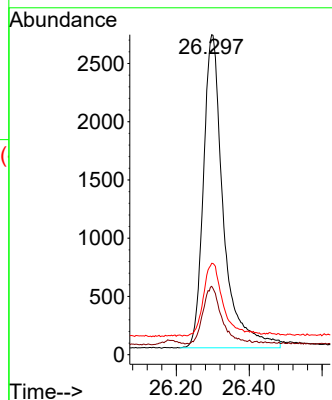
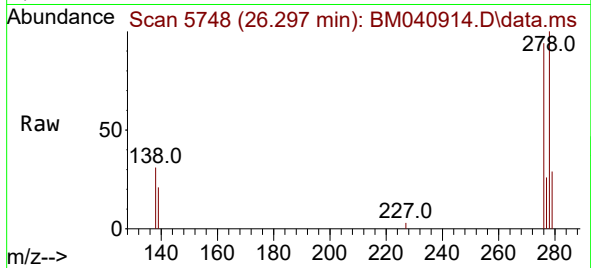




#28
Dibenzo(a,h)anthracene
Concen: 0.409 ng/ul
RT: 26.297 min Scan# 51
Delta R.T. -0.010 min
Lab File: BM040914.D
Acq: 17 Jul 2023 09:03

Instrument :
BNA_M
ClientSampleId :
SSTD0.4182

Tgt Ion:278 Resp: 10207
Ion Ratio Lower Upper
278 100
139 21.4 17.9 26.9
279 28.6 22.0 33.0



#29
Benzo(g,h,i)perylene
Concen: 0.410 ng/ul
RT: 27.028 min Scan# 5966
Delta R.T. -0.017 min
Lab File: BM040914.D
Acq: 17 Jul 2023 09:03

Tgt Ion:276 Resp: 11439
Ion Ratio Lower Upper
276 100
138 27.0 23.0 34.6
277 25.9 20.3 30.5

