

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
 Data File : BM042985.D
 Acq On : 24 Nov 2023 19:07
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4133

Quant Time: Nov 24 23:23:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 24 15:22:31 2023
 Response via : Initial Calibration

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

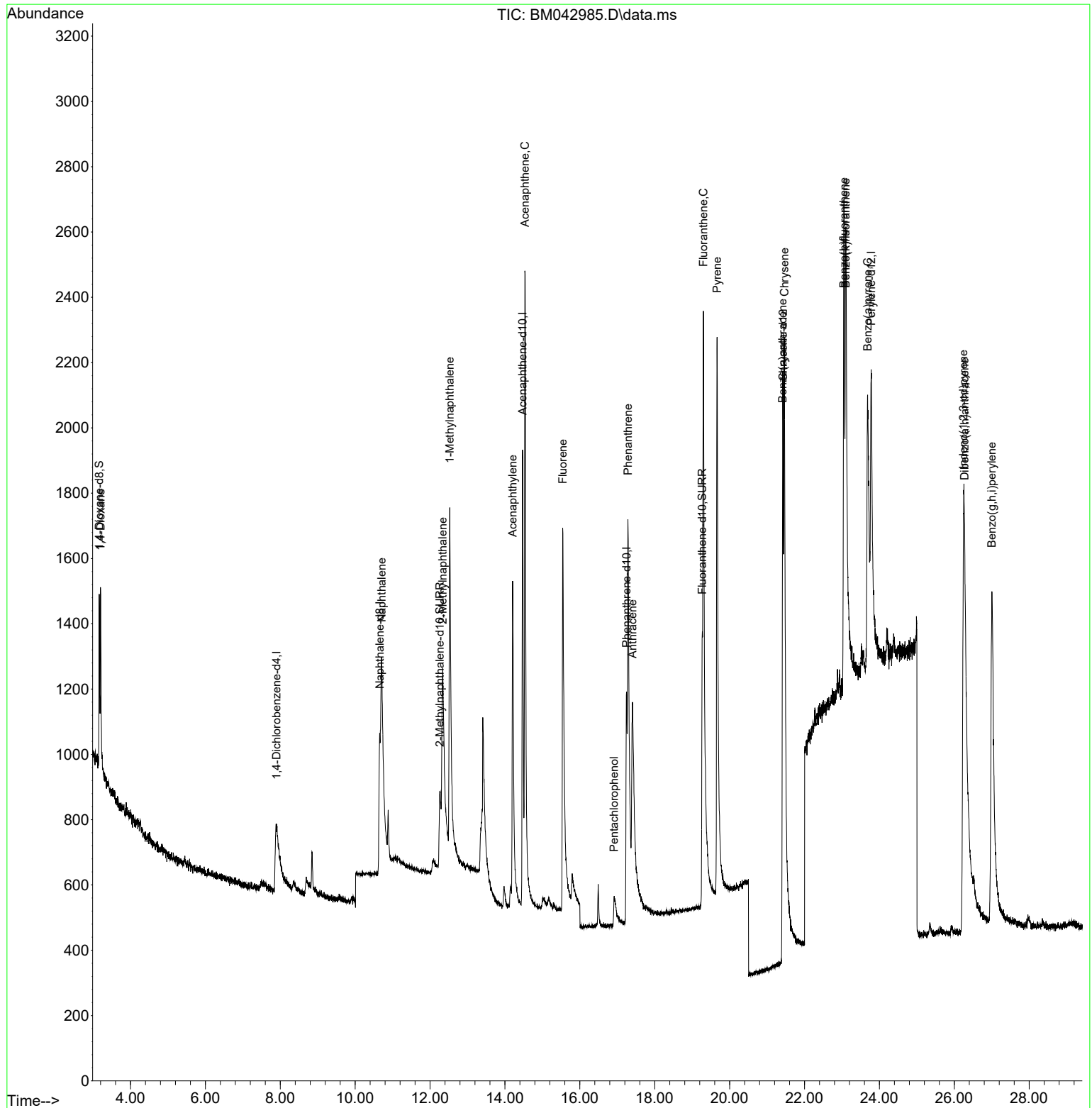
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.897	152	550	0.400	ng/ul	0.02
4) Naphthalene-d8	10.655	136	1910	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.473	164	1073	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.245	188	2115	0.400	ng/ul	0.00
17) Chrysene-d12	21.427	240	1416	0.400	ng/ul	0.00
23) Perylene-d12	23.779	264	1924	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.164	96	404	0.479	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.261	152	984	0.385	ng/ul	0.01
18) Fluoranthene-d10	19.266	212	1845	0.358	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.202	88	442	0.488	ng/ul	98
5) Naphthalene	10.710	128	1969	0.379	ng/ul	97
7) 2-Methylnaphthalene	12.337	142	1147	0.375	ng/ul	100
8) 1-Methylnaphthalene	12.524	142	1275	0.373	ng/ul	97
10) Acenaphthylene	14.205	152	2138	0.390	ng/ul	97
11) Acenaphthene	14.533	153	1667	0.402	ng/ul	98
12) Fluorene	15.542	166	1658	0.389	ng/ul	98
14) Pentachlorophenol	16.916	266	225	0.393	ng/ul#	75
15) Phenanthrene	17.283	178	2339	0.388	ng/ul	95
16) Anthracene	17.406	178	2223	0.389	ng/ul	96
19) Fluoranthene	19.298	202	2978	0.371	ng/ul#	95
20) Pyrene	19.665	202	3182	0.373	ng/ul	99
21) Benzo(a)anthracene	21.415	228	1750	0.381	ng/ul	96
22) Chrysene	21.462	228	3417	0.399	ng/ul	100
24) Benzo(b)fluoranthene	23.051	252	2610	0.402	ng/ul	100
25) Benzo(k)fluoranthene	23.104	252	3706	0.414	ng/ul	99
26) Benzo(a)pyrene	23.686	252	2848	0.402	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.245	276	3982	0.415	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.276	278	3021	0.407	ng/ul	97
29) Benzo(g,h,i)perylene	27.003	276	3992	0.428	ng/ul	100

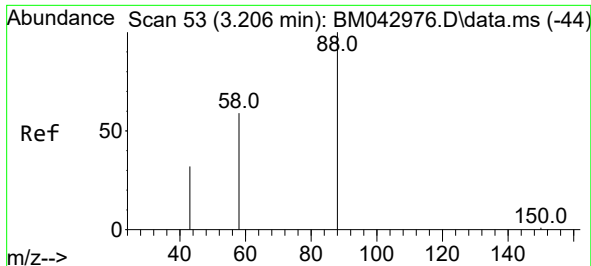
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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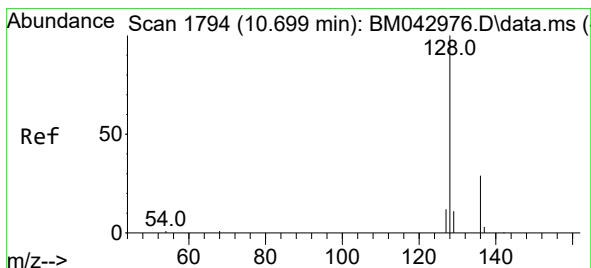
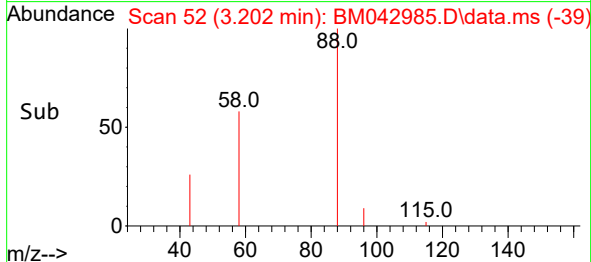
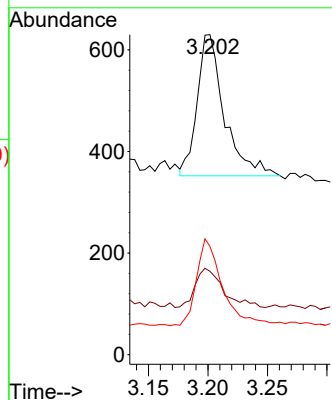
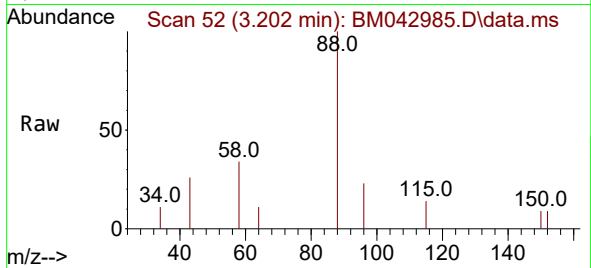




#2
1,4-Dioxane
Concen: 0.488 ng/ul
RT: 3.202 min Scan# 51
Delta R.T. -0.004 min
Lab File: BM042985.D
Acq: 24 Nov 2023 19:07

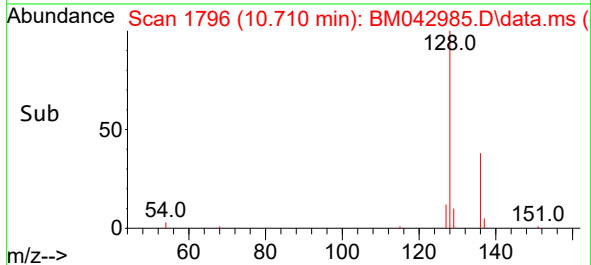
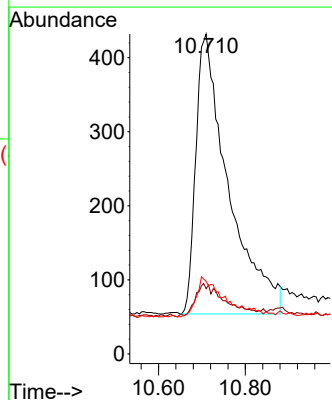
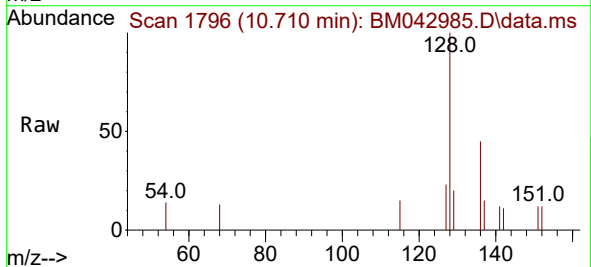
Instrument :
BNA_M
ClientSampleId :
SSTD0.4133

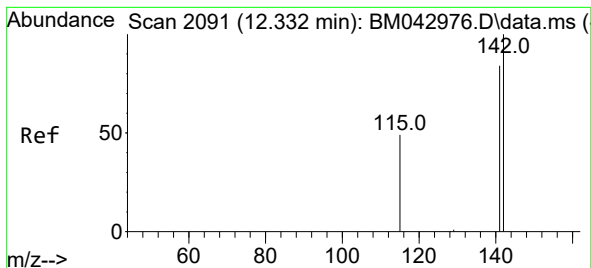
Tgt Ion: 88 Resp: 442
Ion Ratio Lower Upper
88 100
43 26.0 22.8 34.2
58 33.8 26.8 40.2



#5
Naphthalene
Concen: 0.379 ng/ul
RT: 10.710 min Scan# 1796
Delta R.T. 0.011 min
Lab File: BM042985.D
Acq: 24 Nov 2023 19:07

Tgt Ion: 128 Resp: 1969
Ion Ratio Lower Upper
128 100
129 20.4 16.0 24.0
127 22.7 16.5 24.7

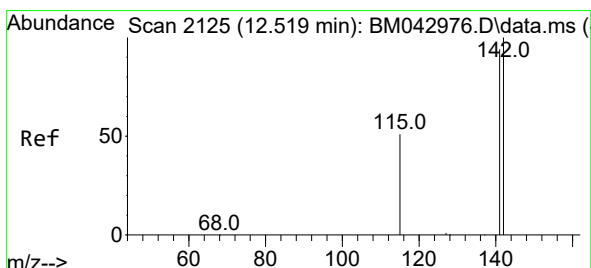
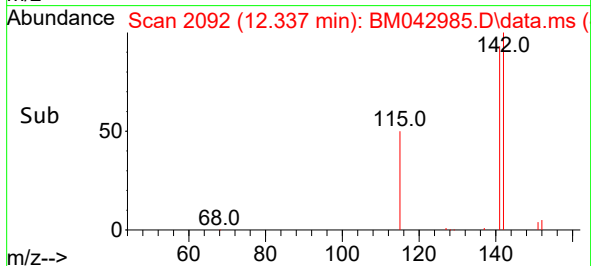
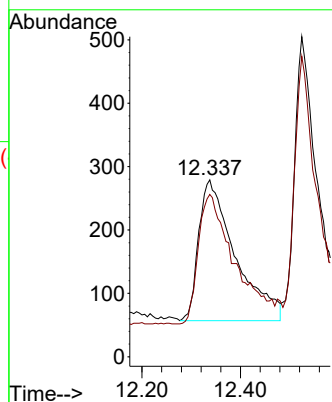
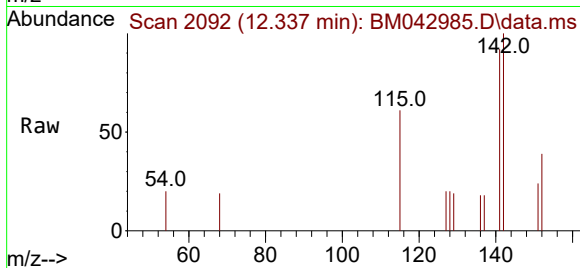




#7
2-Methylnaphthalene
Concen: 0.375 ng/ul
RT: 12.337 min Scan# 2091
Delta R.T. 0.006 min
Lab File: BM042985.D
Acq: 24 Nov 2023 19:07

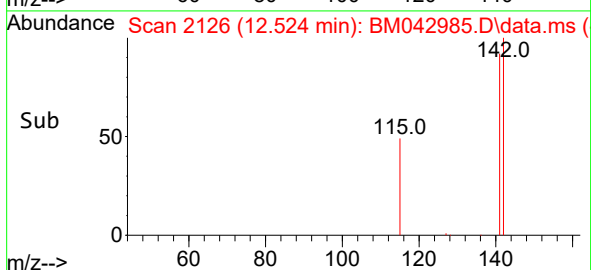
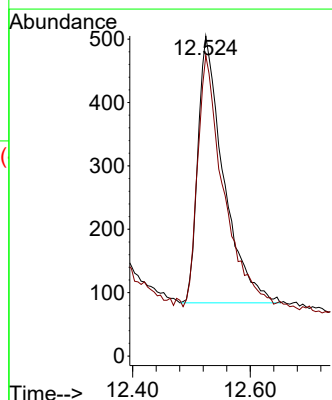
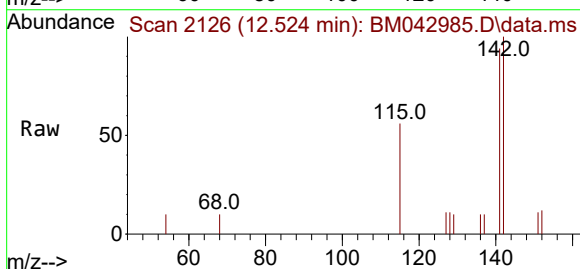
Instrument :
BNA_M
ClientSampleId :
SSTD0.4133

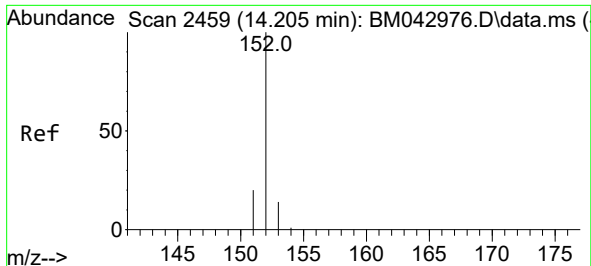
Tgt Ion:142 Resp: 1147
Ion Ratio Lower Upper
142 100
141 94.9 76.1 114.1



#8
1-Methylnaphthalene
Concen: 0.373 ng/ul
RT: 12.524 min Scan# 2126
Delta R.T. 0.006 min
Lab File: BM042985.D
Acq: 24 Nov 2023 19:07

Tgt Ion:142 Resp: 1275
Ion Ratio Lower Upper
142 100
141 95.1 73.8 110.8

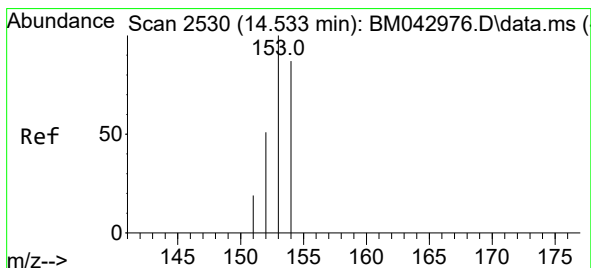
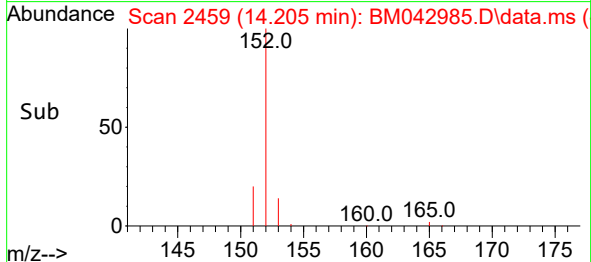
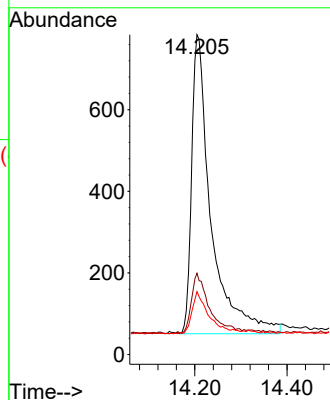
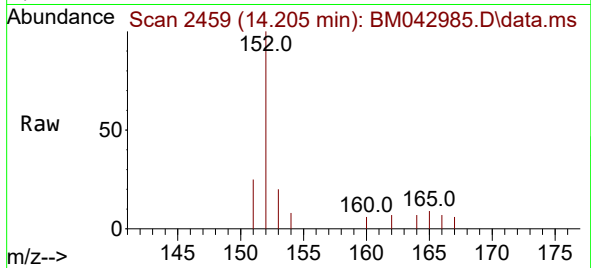




#10
Acenaphthylene
Concen: 0.390 ng/ul
RT: 14.205 min Scan# 2459
Delta R.T. 0.000 min
Lab File: BM042985.D
Acq: 24 Nov 2023 19:07

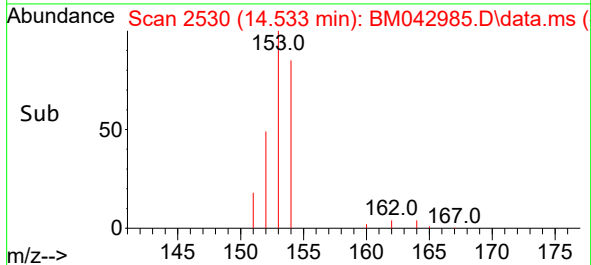
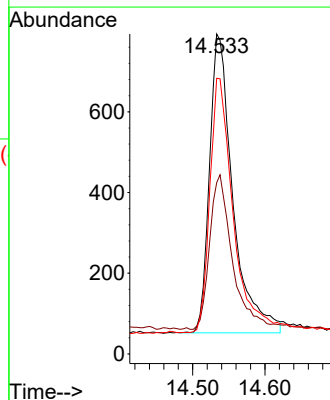
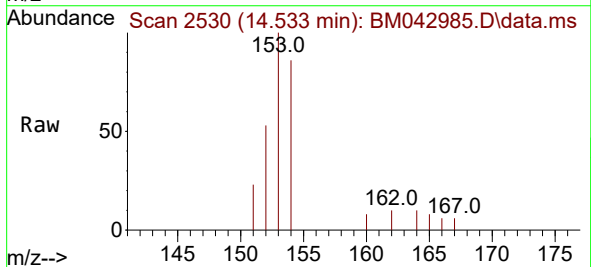
Instrument :
BNA_M
ClientSampleId :
SSTD0.4133

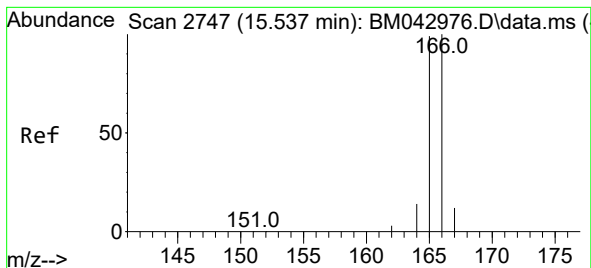
Tgt Ion:152 Resp: 2138
Ion Ratio Lower Upper
152 100
151 25.4 19.4 29.0
153 19.6 14.6 21.8



#11
Acenaphthene
Concen: 0.402 ng/ul
RT: 14.533 min Scan# 2530
Delta R.T. 0.000 min
Lab File: BM042985.D
Acq: 24 Nov 2023 19:07

Tgt Ion:153 Resp: 1667
Ion Ratio Lower Upper
153 100
152 53.5 43.9 65.9
154 86.1 70.6 105.8





#12

Fluorene

Concen: 0.389 ng/ul

RT: 15.542 min Scan# 21

Delta R.T. 0.005 min

Lab File: BM042985.D

Acq: 24 Nov 2023 19:07

Instrument :

BNA_M

ClientSampleId :

SSTD0.4133

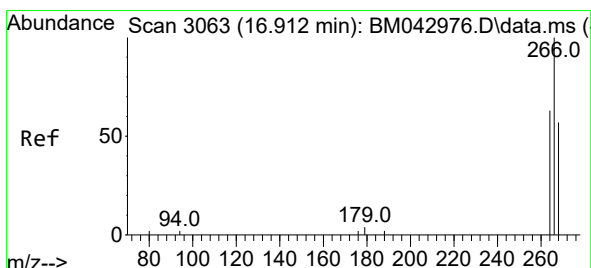
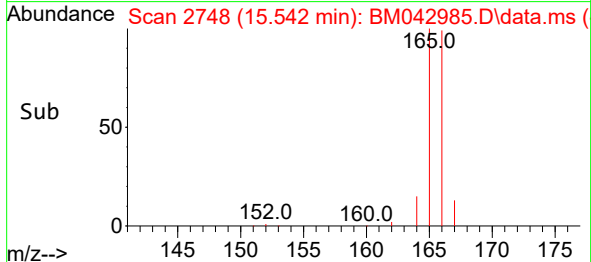
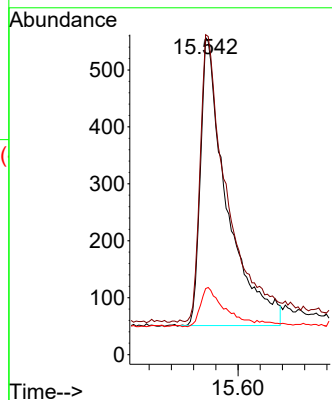
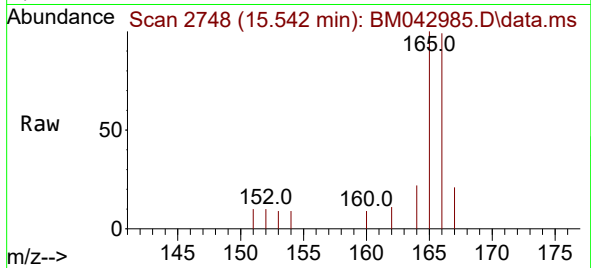
Tgt Ion:166 Resp: 1658

Ion Ratio Lower Upper

166 100

165 100.9 79.9 119.9

167 20.8 14.2 21.4



#14

Pentachlorophenol

Concen: 0.393 ng/ul

RT: 16.916 min Scan# 3064

Delta R.T. 0.004 min

Lab File: BM042985.D

Acq: 24 Nov 2023 19:07

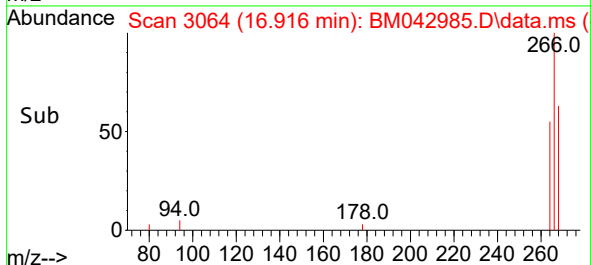
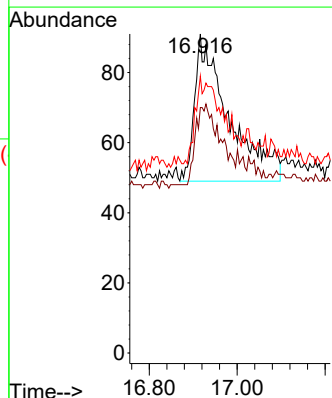
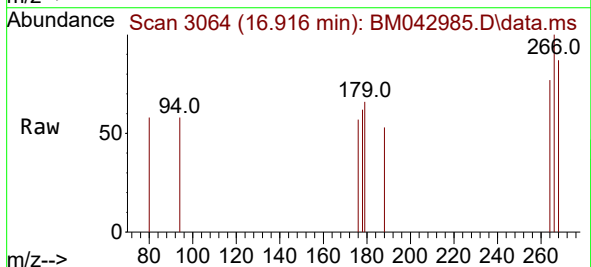
Tgt Ion:266 Resp: 225

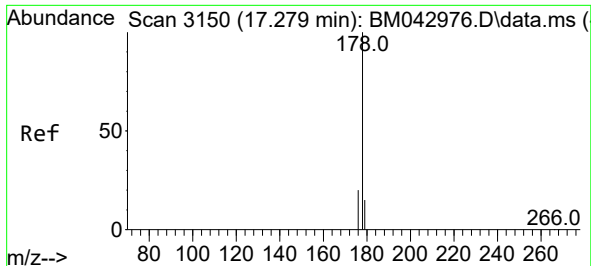
Ion Ratio Lower Upper

266 100

264 40.0 48.8 73.2#

268 47.1 51.8 77.6#

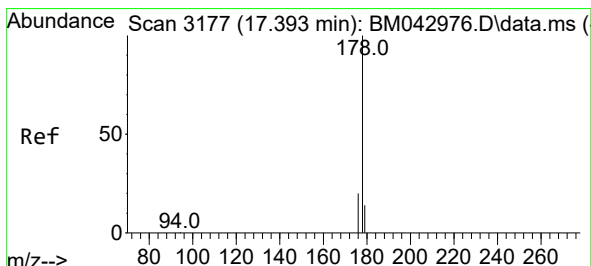
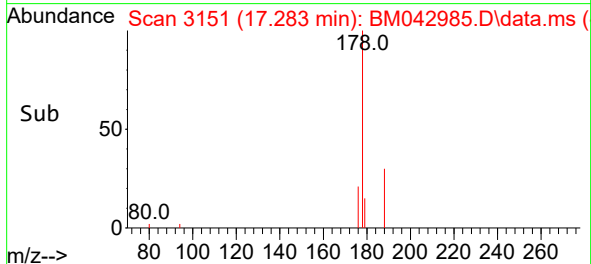
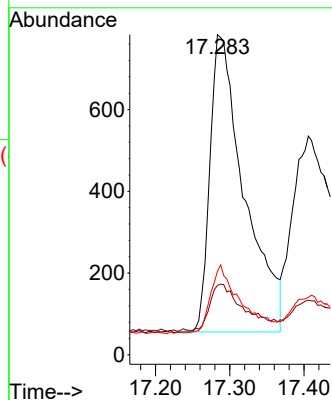
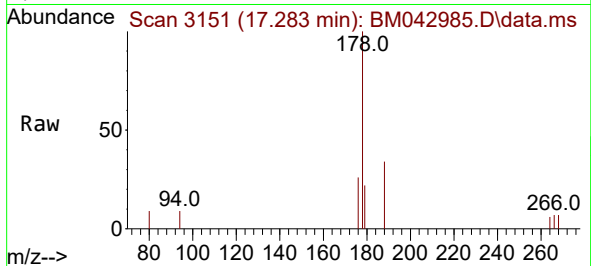




#15
Phenanthrene
Concen: 0.388 ng/ul
RT: 17.283 min Scan# 3151
Delta R.T. 0.004 min
Lab File: BM042985.D
Acq: 24 Nov 2023 19:07

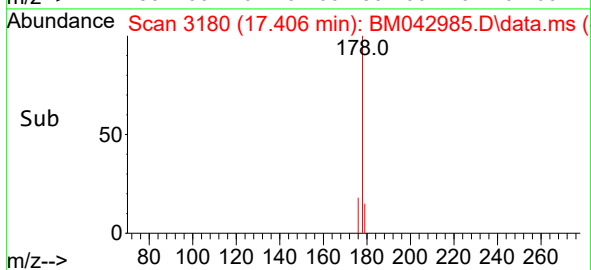
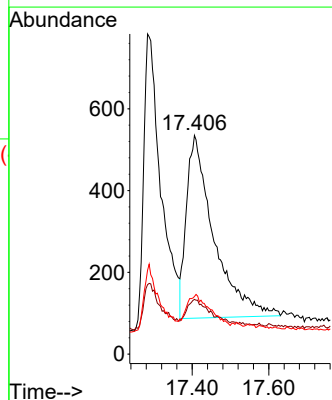
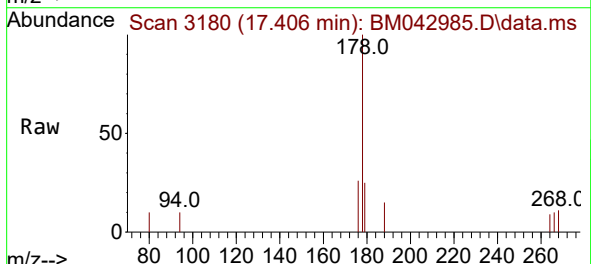
Instrument :
BNA_M
ClientSampleId :
SSTD0.4133

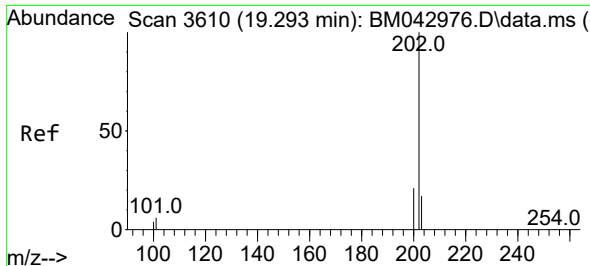
Tgt Ion:178 Resp: 2339
Ion Ratio Lower Upper
178 100
179 21.7 15.7 23.5
176 26.2 18.9 28.3



#16
Anthracene
Concen: 0.389 ng/ul
RT: 17.406 min Scan# 3180
Delta R.T. 0.013 min
Lab File: BM042985.D
Acq: 24 Nov 2023 19:07

Tgt Ion:178 Resp: 2223
Ion Ratio Lower Upper
178 100
179 25.0 17.3 25.9
176 26.4 20.5 30.7

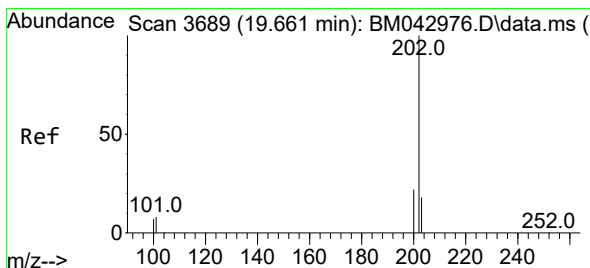
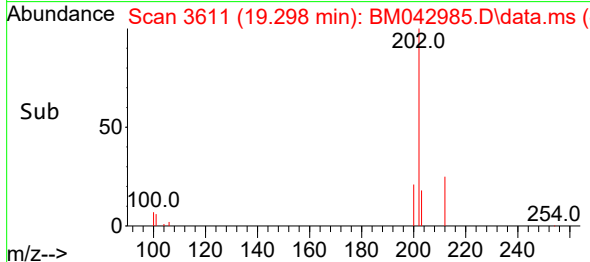
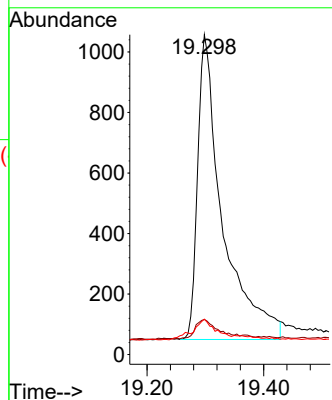
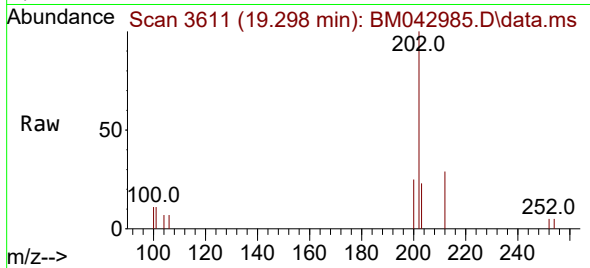




#19
Fluoranthene
Concen: 0.371 ng/ul
RT: 19.298 min Scan# 3611
Delta R.T. 0.005 min
Lab File: BM042985.D
Acq: 24 Nov 2023 19:07

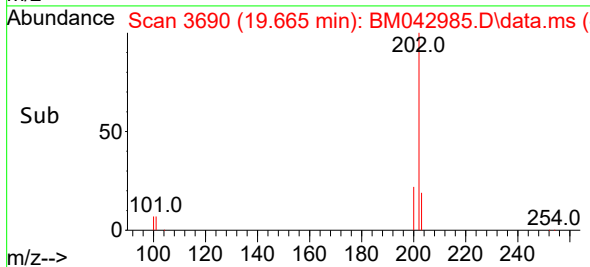
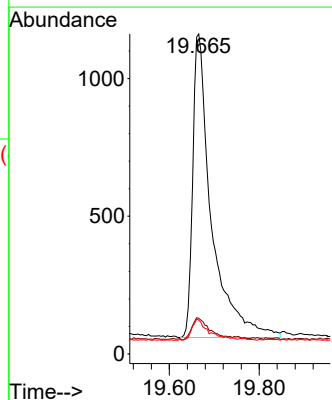
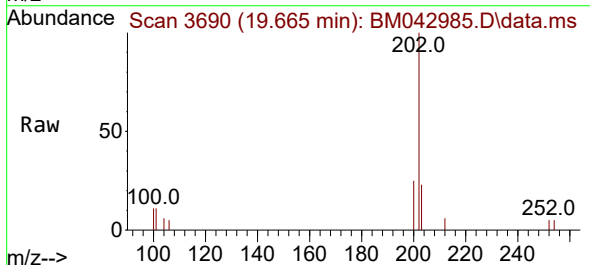
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ClientSampleId :
SSTD0.4133

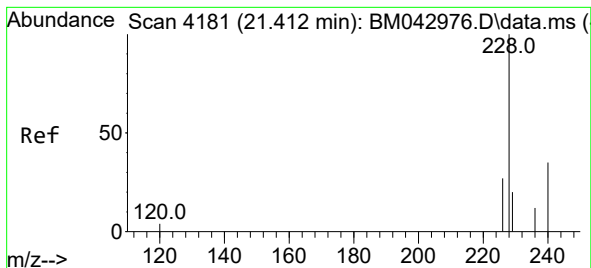
Tgt Ion:202 Resp: 2978
Ion Ratio Lower Upper
202 100
101 11.0 7.8 11.8
100 11.1 7.1 10.7#



#20
Pyrene
Concen: 0.373 ng/ul
RT: 19.665 min Scan# 3690
Delta R.T. 0.005 min
Lab File: BM042985.D
Acq: 24 Nov 2023 19:07

Tgt Ion:202 Resp: 3182
Ion Ratio Lower Upper
202 100
101 11.1 8.7 13.1
100 10.6 7.8 11.8

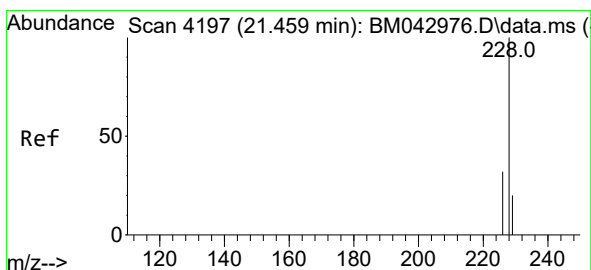
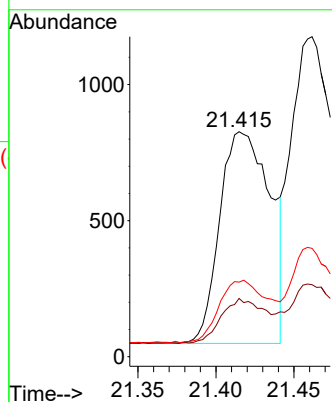
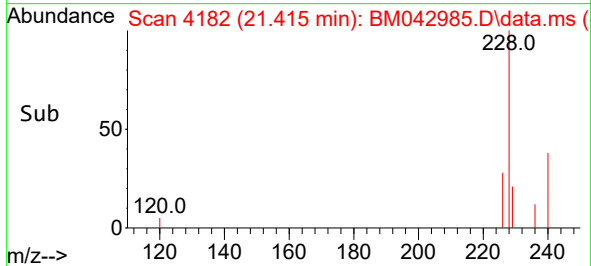
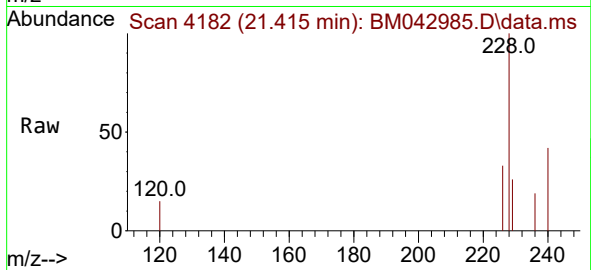




#21
Benzo(a)anthracene
Concen: 0.381 ng/ul
RT: 21.415 min Scan# 4181
Delta R.T. 0.003 min
Lab File: BM042985.D
Acq: 24 Nov 2023 19:07

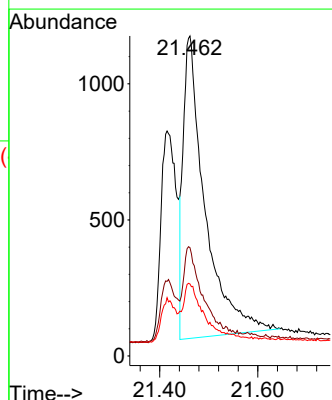
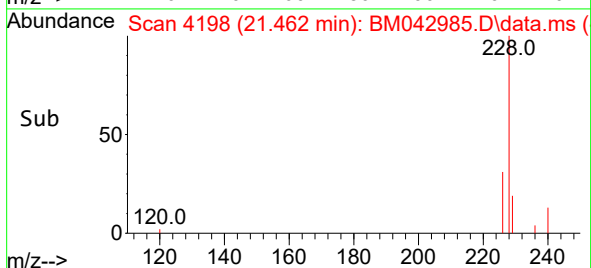
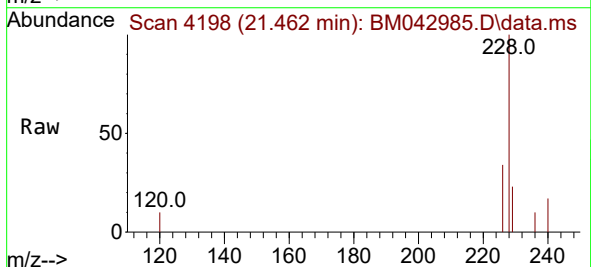
Instrument :
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ClientSampleId :
SSTD0.4133

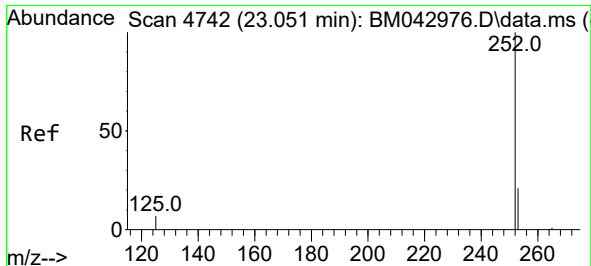
Tgt Ion:228 Resp: 1750
Ion Ratio Lower Upper
228 100
229 25.9 19.4 29.0
226 33.1 24.9 37.3



#22
Chrysene
Concen: 0.399 ng/ul
RT: 21.462 min Scan# 4198
Delta R.T. 0.003 min
Lab File: BM042985.D
Acq: 24 Nov 2023 19:07

Tgt Ion:228 Resp: 3417
Ion Ratio Lower Upper
228 100
226 33.8 27.2 40.8
229 22.5 18.0 27.0

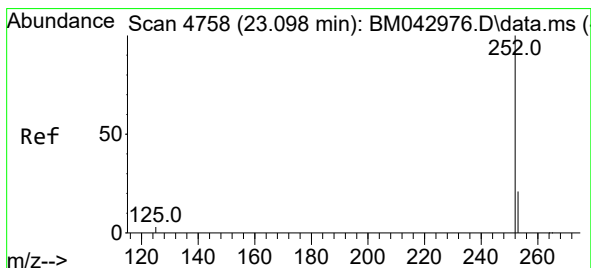
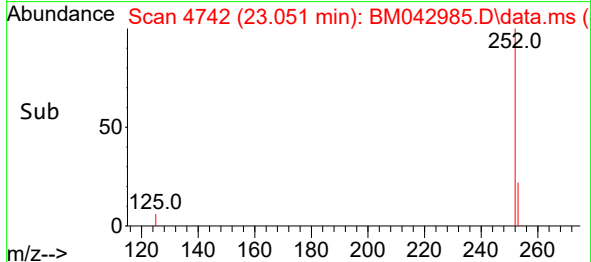
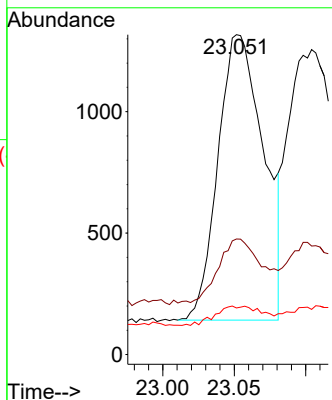
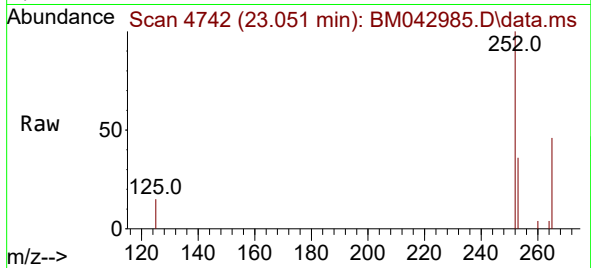




#24
Benzo(b)fluoranthene
Concen: 0.402 ng/ul
RT: 23.051 min Scan# 4742
Delta R.T. 0.000 min
Lab File: BM042985.D
Acq: 24 Nov 2023 19:07

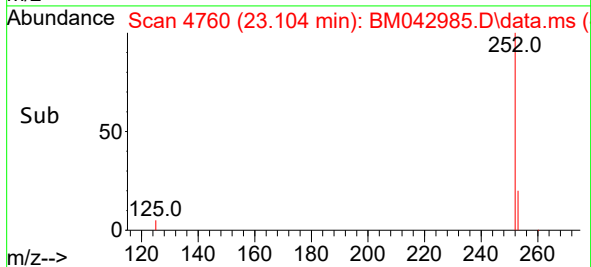
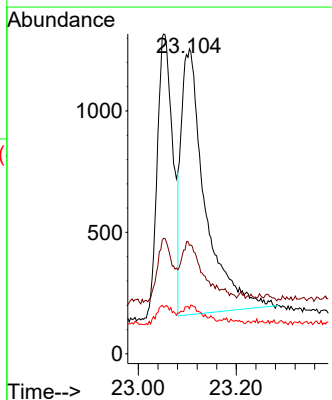
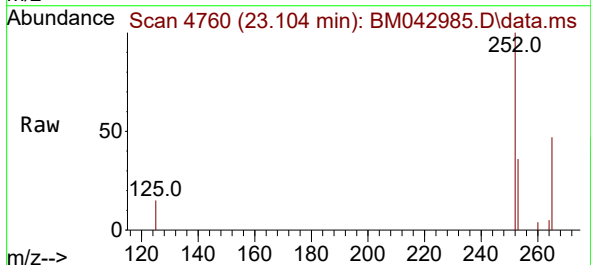
Instrument :
BNA_M
ClientSampleId :
SSTD0.4133

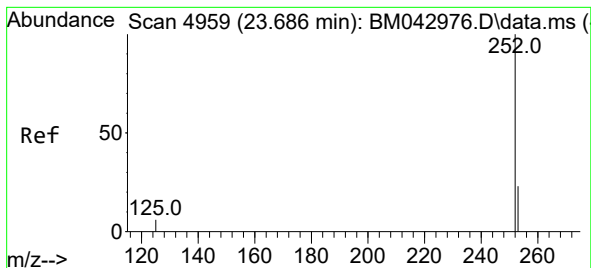
Tgt Ion:	252	Resp:	2610
Ion Ratio	Lower	Upper	
252	100		
253	36.1	0.0	71.8
125	14.6	0.0	29.0



#25
Benzo(k)fluoranthene
Concen: 0.414 ng/ul
RT: 23.104 min Scan# 4760
Delta R.T. 0.006 min
Lab File: BM042985.D
Acq: 24 Nov 2023 19:07

Tgt Ion:	252	Resp:	3706
Ion Ratio	Lower	Upper	
252	100		
253	35.6	28.2	42.2
125	14.8	11.0	16.6





#26

Benzo(a)pyrene

Concen: 0.402 ng/ul

RT: 23.686 min Scan# 4959

Delta R.T. 0.000 min

Lab File: BM042985.D

Acq: 24 Nov 2023 19:07

Instrument :

BNA_M

ClientSampleId :

SSTD0.4133

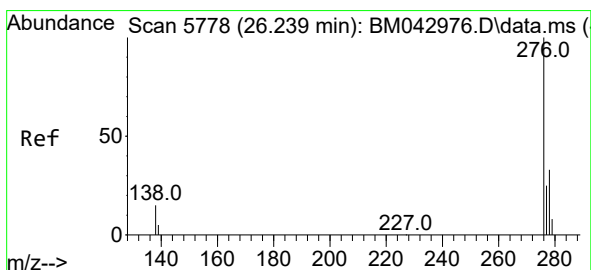
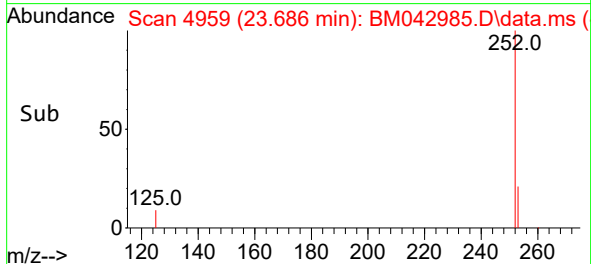
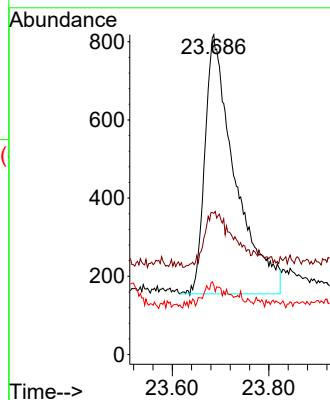
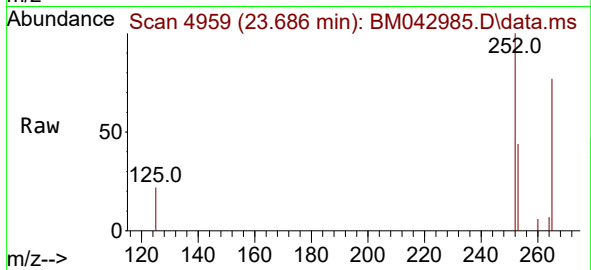
Tgt Ion:252 Resp: 2848

Ion Ratio Lower Upper

252 100

253 44.1 36.6 55.0

125 21.6 16.2 24.4



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.415 ng/ul

RT: 26.245 min Scan# 5780

Delta R.T. 0.007 min

Lab File: BM042985.D

Acq: 24 Nov 2023 19:07

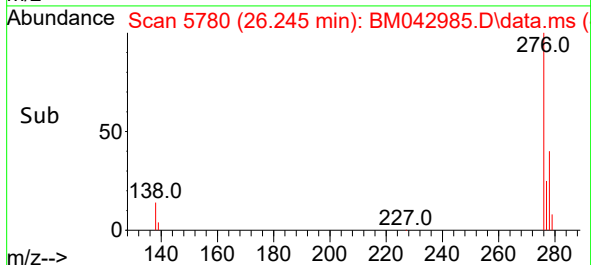
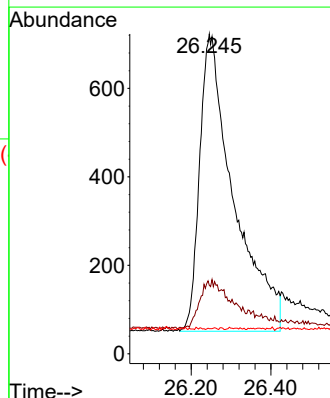
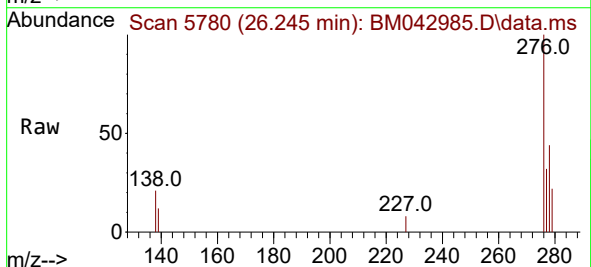
Tgt Ion:276 Resp: 3982

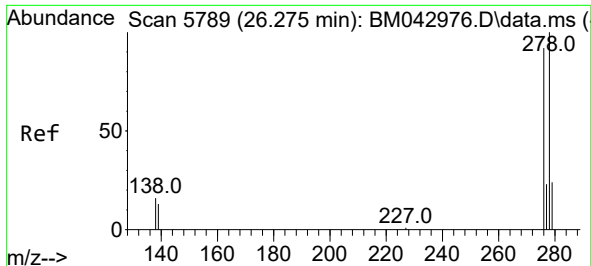
Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

227 0.1 0.2 0.2#

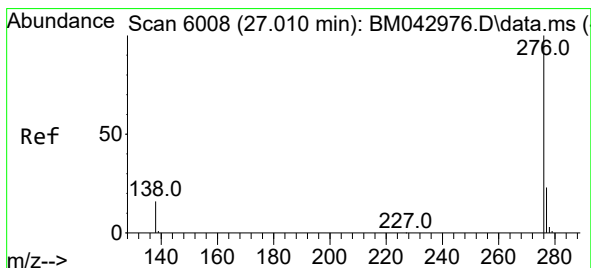
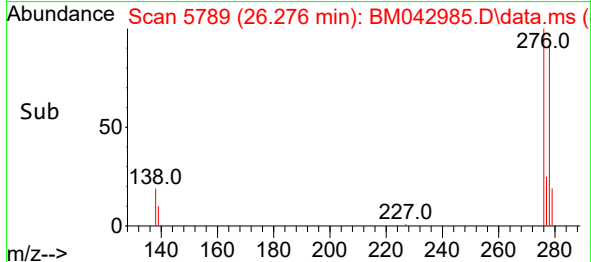
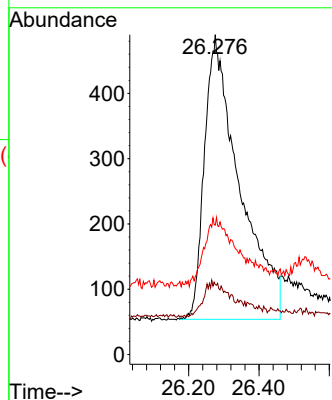
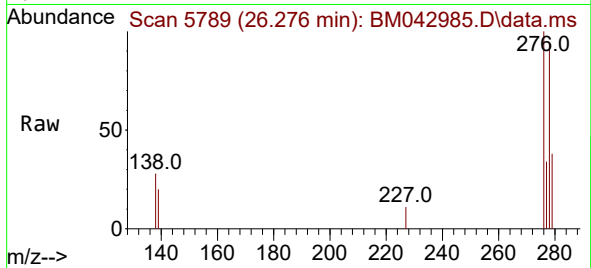




#28
Dibenzo(a,h)anthracene
Concen: 0.407 ng/ul
RT: 26.276 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM042985.D
Acq: 24 Nov 2023 19:07

Instrument :
BNA_M
ClientSampleId :
SSTD0.4133

Tgt Ion:278 Resp: 3021
Ion Ratio Lower Upper
278 100
139 21.8 18.1 27.1
279 40.4 34.4 51.6



#29
Benzo(g,h,i)perylene
Concen: 0.428 ng/ul
RT: 27.003 min Scan# 6006
Delta R.T. -0.007 min
Lab File: BM042985.D
Acq: 24 Nov 2023 19:07

Tgt Ion:276 Resp: 3992
Ion Ratio Lower Upper
276 100
138 22.6 17.8 26.8
277 29.7 23.8 35.8

