

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082823\
 Data File : BM041536.D
 Acq On : 28 Aug 2023 23:58
 Operator : MA/JU
 Sample : 04134-20MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCHI7MS

Quant Time: Aug 29 02:50:16 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)

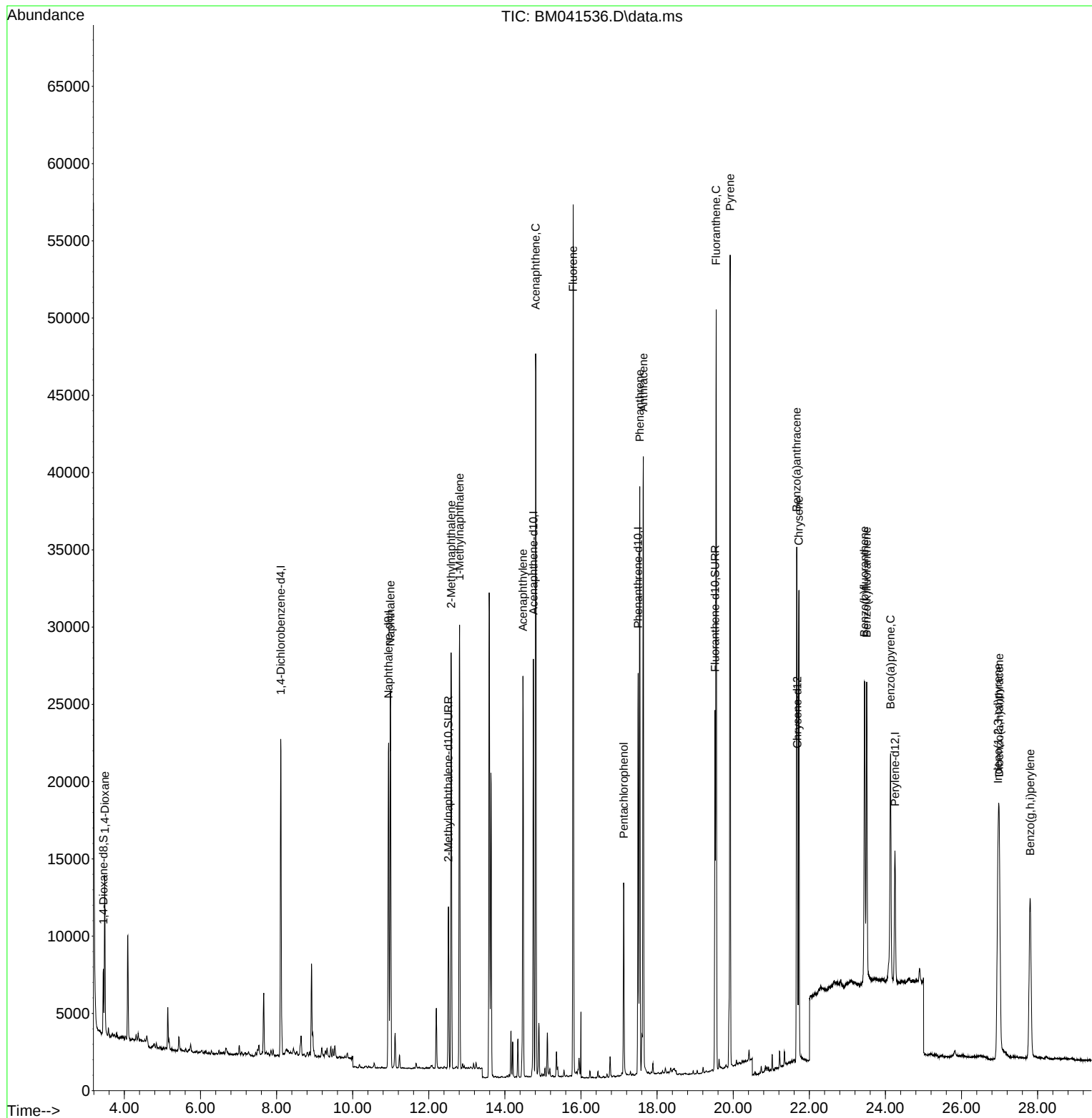
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	10003	0.400	ng/ul	0.00
4) Naphthalene-d8	10.944	136	27664	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.749	164	13762	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.502	188	26943	0.400	ng/ul	0.00
17) Chrysene-d12	21.688	240	11363	0.400	ng/ul	0.00
23) Perylene-d12	24.251	264	12516	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.448	96	2691	0.216	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.517	152	12516	0.343	ng/ul	0.00
18) Fluoranthene-d10	19.524	212	20834	0.448	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.486	88	6798	0.527	ng/ul	88
5) Naphthalene	10.993	128	32621	0.369	ng/ul	99
7) 2-Methylnaphthalene	12.588	142	18167	0.339	ng/ul	99
8) 1-Methylnaphthalene	12.808	142	19045	0.351	ng/ul	99
10) Acenaphthylene	14.476	152	28373	0.312	ng/ul	99
11) Acenaphthene	14.809	153	26517	0.416	ng/ul	99
12) Fluorene	15.795	166	33695	0.489	ng/ul	99
14) Pentachlorophenol	17.122	266	8216	0.742	ng/ul	100
15) Phenanthrene	17.544	178	39480	0.357	ng/ul	100
16) Anthracene	17.637	178	42193	0.416	ng/ul	100
19) Fluoranthene	19.552	202	39566	0.376	ng/ul	100
20) Pyrene	19.919	202	40700	0.382	ng/ul	100
21) Benzo(a)anthracene	21.667	228	27378	0.338	ng/ul	99
22) Chrysene	21.726	228	26237	0.327	ng/ul	99
24) Benzo(b)fluoranthene	23.450	252	26320	0.331	ng/ul	87
25) Benzo(k)fluoranthene	23.509	252	26257	0.337	ng/ul#	87
26) Benzo(a)pyrene	24.134	252	22713	0.316	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	26.961	276	29910	0.309	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.991	278	21696	0.312	ng/ul#	90
29) Benzo(g,h,i)perylene	27.806	276	24719	0.305	ng/ul	97

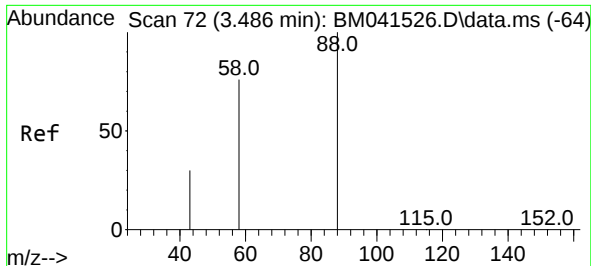
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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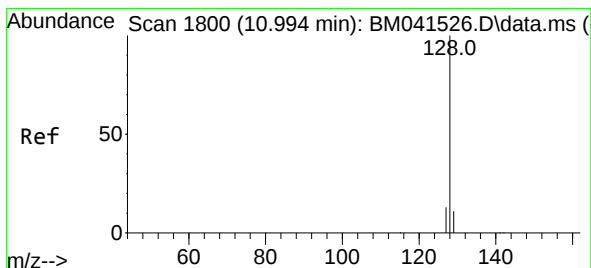
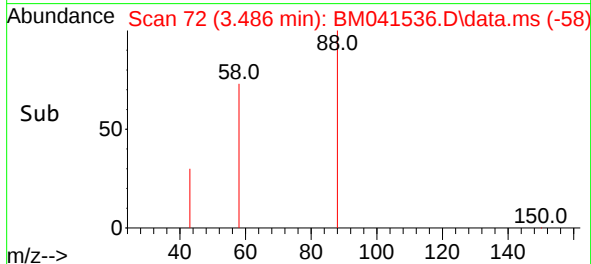
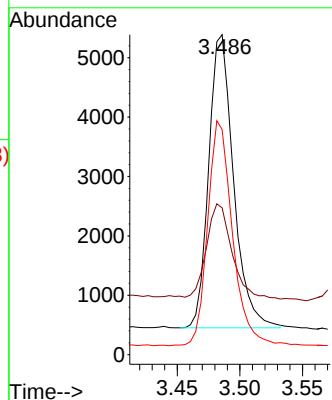
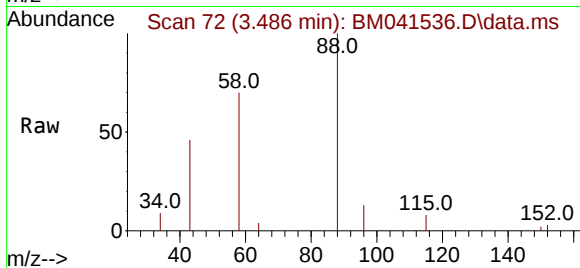




#2
 1,4-Dioxane
 Concen: 0.527 ng/ul
 RT: 3.486 min Scan# 72
 Delta R.T. -0.000 min
 Lab File: BM041536.D
 Acq: 28 Aug 2023 23:58

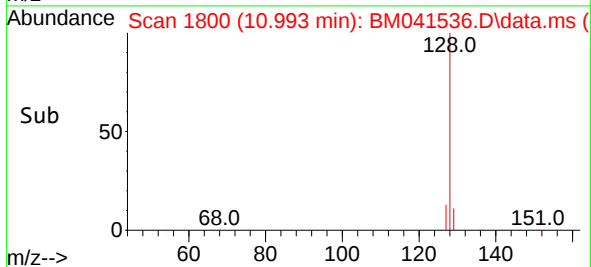
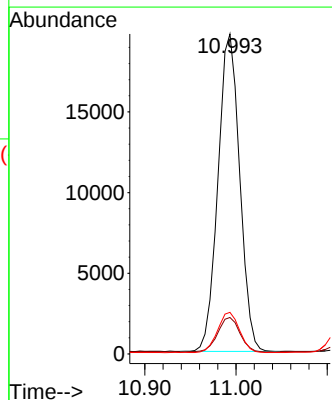
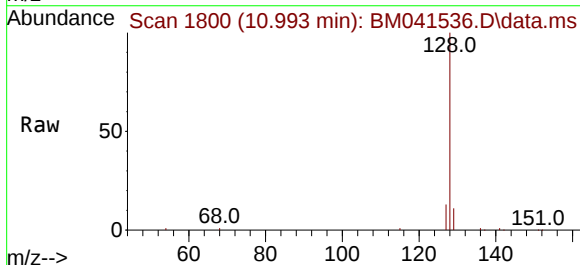
Instrument :
 BNA_M
 ClientSampleId :
 DCHI7MS

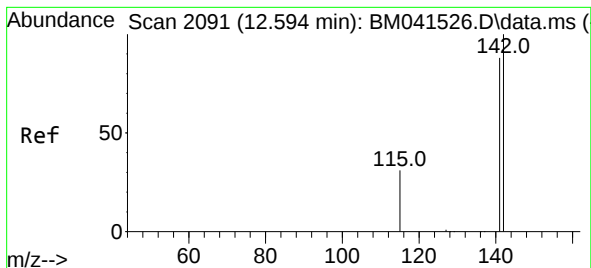
Tgt Ion: 88 Resp: 6798
 Ion Ratio Lower Upper
 88 100
 43 45.9 30.6 46.0
 58 70.3 49.3 73.9



#5
 Naphthalene
 Concen: 0.369 ng/ul
 RT: 10.993 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: BM041536.D
 Acq: 28 Aug 2023 23:58

Tgt Ion: 128 Resp: 32621
 Ion Ratio Lower Upper
 128 100
 129 11.4 8.9 13.3
 127 13.0 10.6 15.8

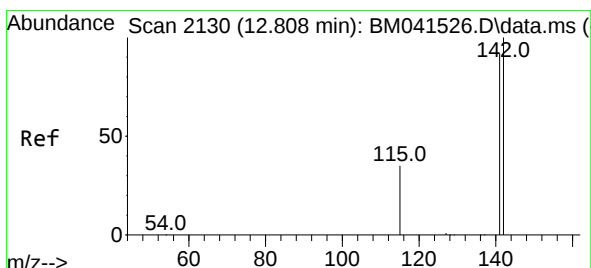
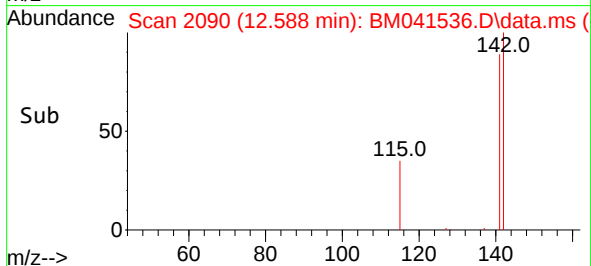
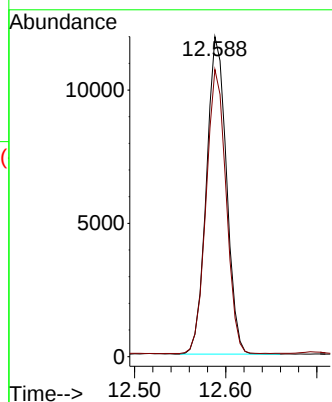
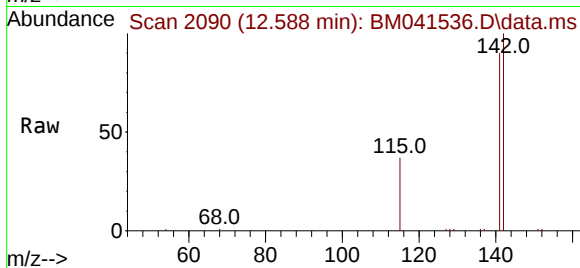




#7
2-Methylnaphthalene
Concen: 0.339 ng/ul
RT: 12.588 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BM041536.D
Acq: 28 Aug 2023 23:58

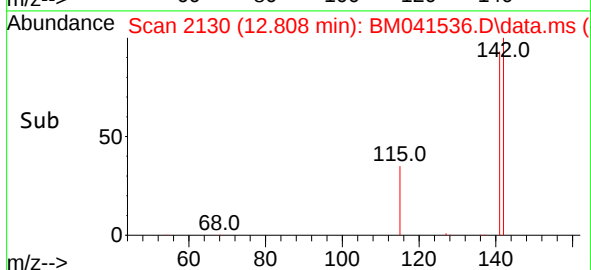
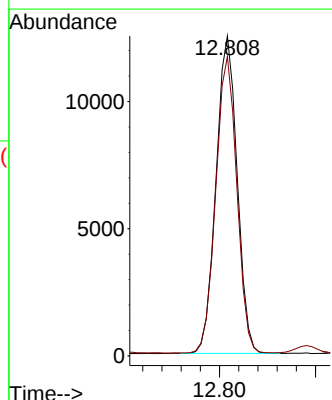
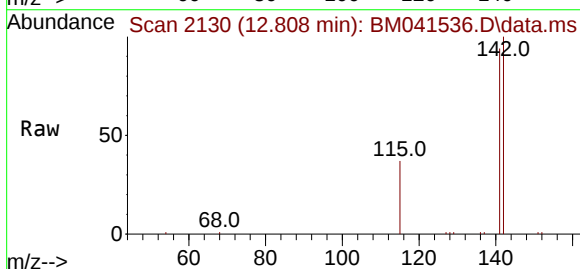
Instrument :
BNA_M
ClientSampleId :
DCHI7MS

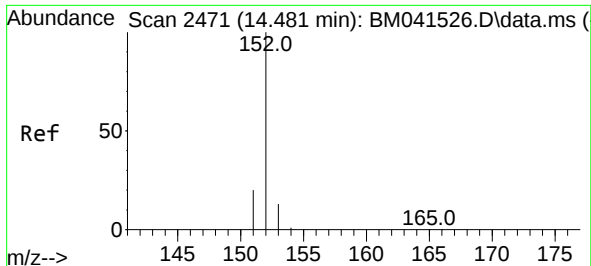
Tgt Ion:142 Resp: 18167
Ion Ratio Lower Upper
142 100
141 89.3 71.0 106.6



#8
1-Methylnaphthalene
Concen: 0.351 ng/ul
RT: 12.808 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BM041536.D
Acq: 28 Aug 2023 23:58

Tgt Ion:142 Resp: 19045
Ion Ratio Lower Upper
142 100
141 92.9 73.9 110.9

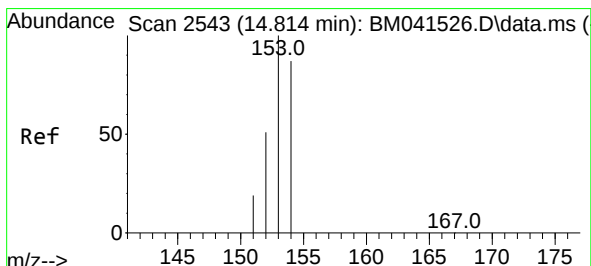
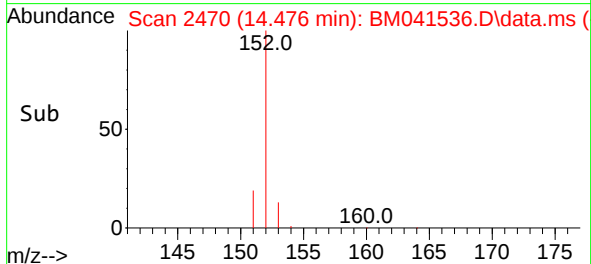
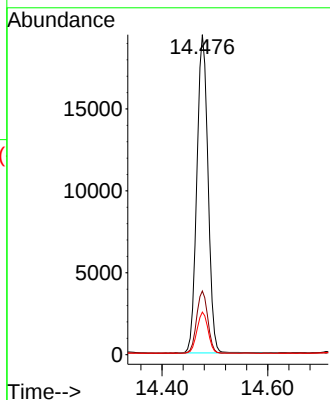
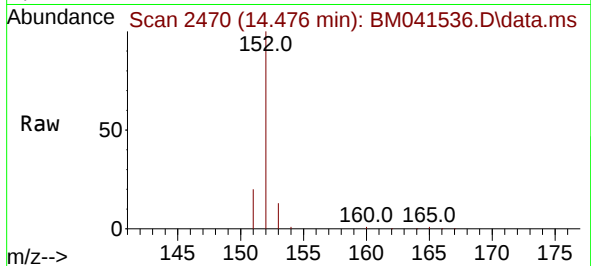




#10
Acenaphthylene
Concen: 0.312 ng/ul
RT: 14.476 min Scan# 2470
Delta R.T. -0.005 min
Lab File: BM041536.D
Acq: 28 Aug 2023 23:58

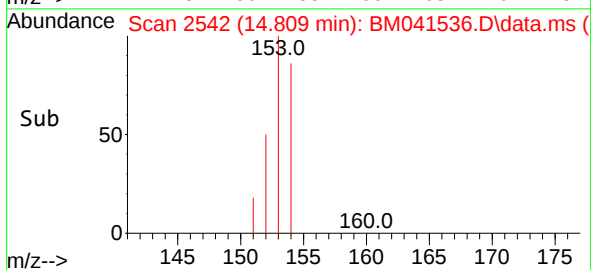
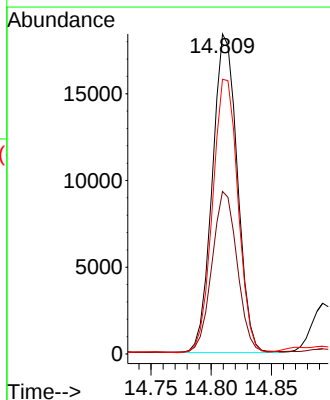
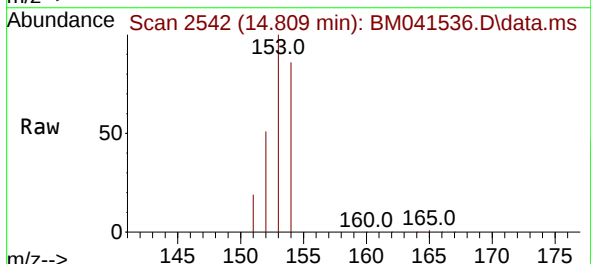
Instrument :
BNA_M
ClientSampleId :
DCHI7MS

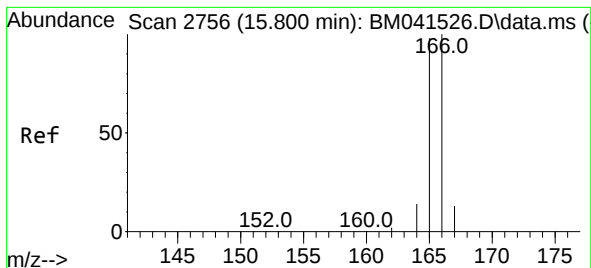
Tgt Ion:	152	Resp:	28373
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.7	23.5
153	13.3	10.5	15.7



#11
Acenaphthene
Concen: 0.416 ng/ul
RT: 14.809 min Scan# 2542
Delta R.T. -0.005 min
Lab File: BM041536.D
Acq: 28 Aug 2023 23:58

Tgt Ion:	153	Resp:	26517
Ion Ratio	Lower	Upper	
153	100		
152	50.8	41.1	61.7
154	85.9	69.4	104.0





#12

Fluorene

Concen: 0.489 ng/ul

RT: 15.795 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM041536.D

Acq: 28 Aug 2023 23:58

Instrument :

BNA_M

ClientSampleId :

DCHI7MS

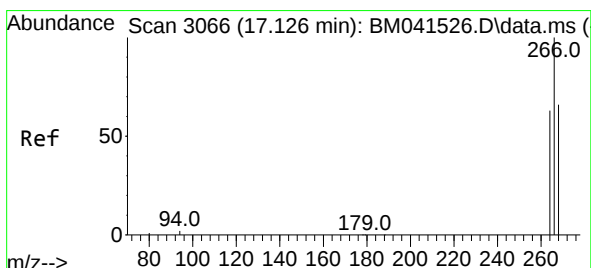
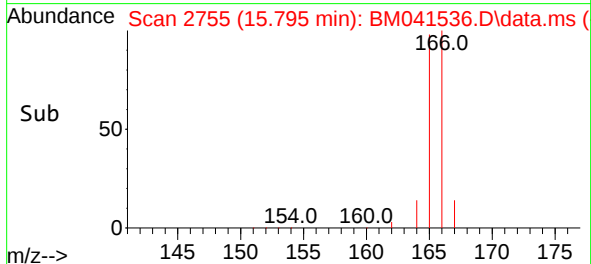
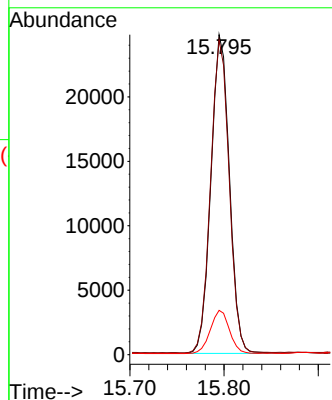
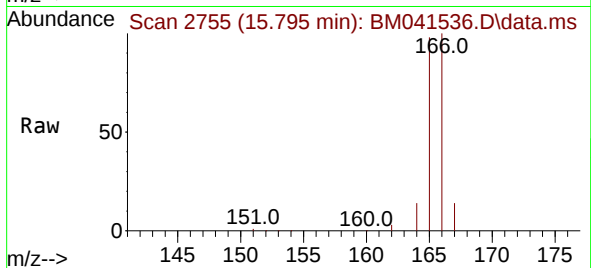
Tgt Ion:166 Resp: 33695

Ion Ratio Lower Upper

166 100

165 98.3 79.2 118.8

167 13.8 10.8 16.2



#14

Pentachlorophenol

Concen: 0.742 ng/ul

RT: 17.122 min Scan# 3065

Delta R.T. -0.004 min

Lab File: BM041536.D

Acq: 28 Aug 2023 23:58

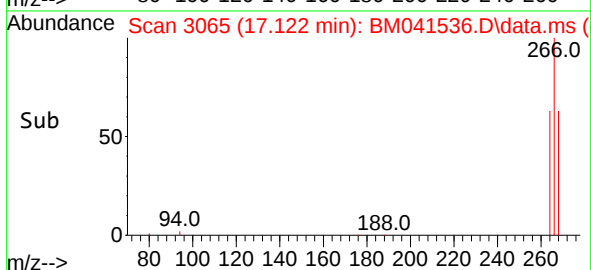
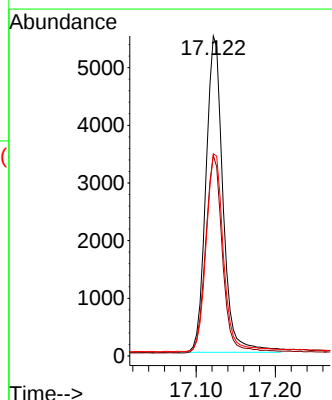
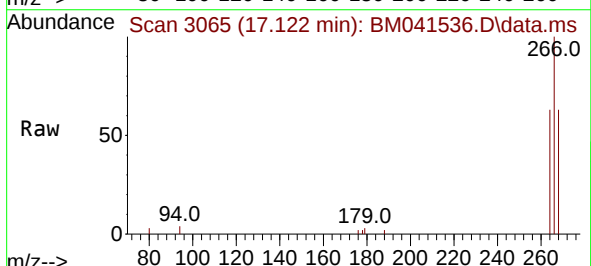
Tgt Ion:266 Resp: 8216

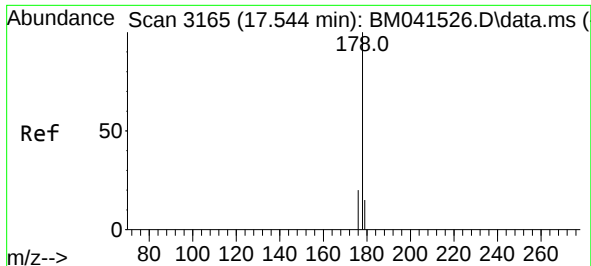
Ion Ratio Lower Upper

266 100

264 62.2 50.0 75.0

268 63.9 51.4 77.0

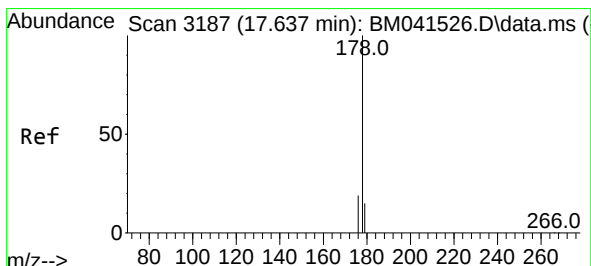
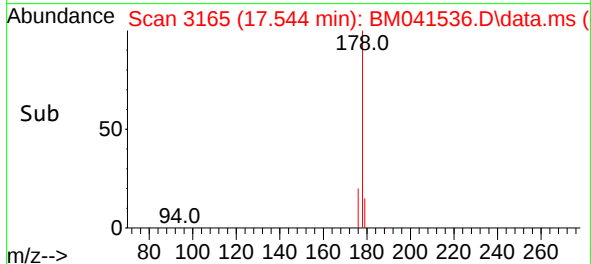
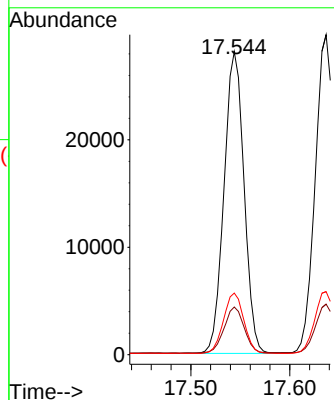
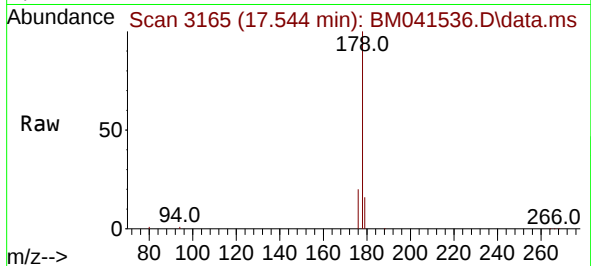




#15
Phenanthrene
Concen: 0.357 ng/ul
RT: 17.544 min Scan# 3165
Delta R.T. -0.000 min
Lab File: BM041536.D
Acq: 28 Aug 2023 23:58

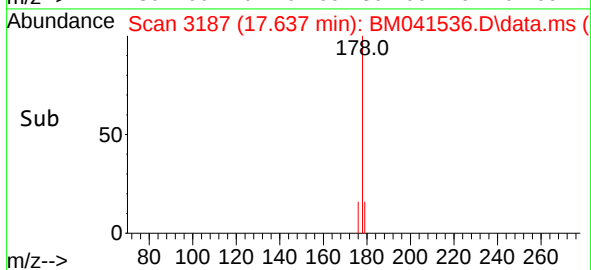
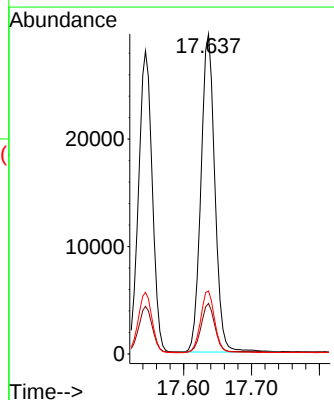
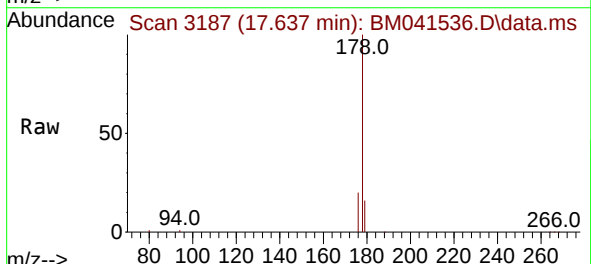
Instrument :
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DCHI7MS

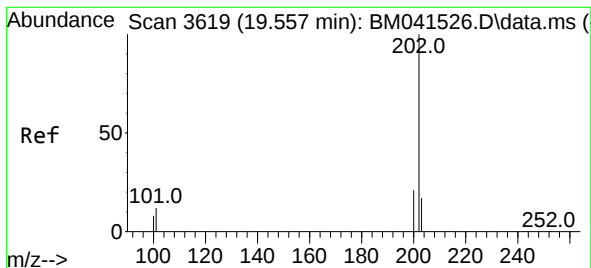
Tgt Ion:	178	Resp:	39480
Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	18.8
176	20.3	16.3	24.5



#16
Anthracene
Concen: 0.416 ng/ul
RT: 17.637 min Scan# 3187
Delta R.T. -0.000 min
Lab File: BM041536.D
Acq: 28 Aug 2023 23:58

Tgt Ion:	178	Resp:	42193
Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.6	19.0
176	19.7	15.9	23.9





#19

Fluoranthene

Concen: 0.376 ng/ul

RT: 19.552 min Scan# 3618

Delta R.T. -0.005 min

Lab File: BM041536.D

Acq: 28 Aug 2023 23:58

Instrument :

BNA_M

ClientSampleId :

DCHI7MS

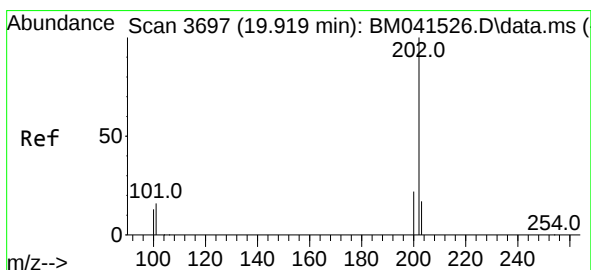
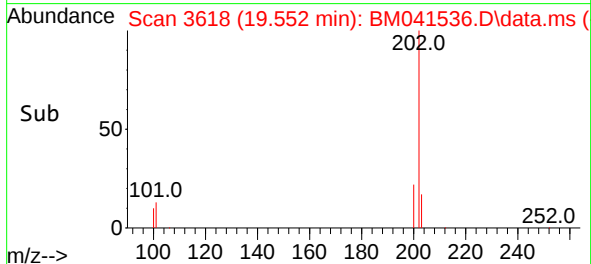
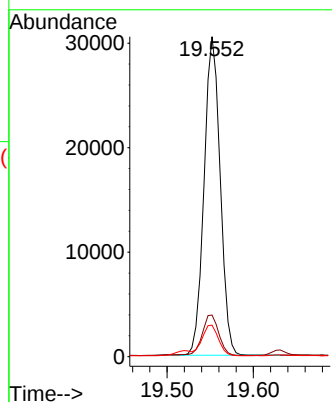
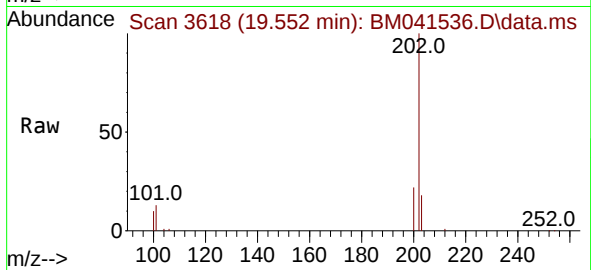
Tgt Ion:202 Resp: 39566

Ion Ratio Lower Upper

202 100

101 13.0 10.5 15.7

100 9.8 7.8 11.6



#20

Pyrene

Concen: 0.382 ng/ul

RT: 19.919 min Scan# 3697

Delta R.T. -0.005 min

Lab File: BM041536.D

Acq: 28 Aug 2023 23:58

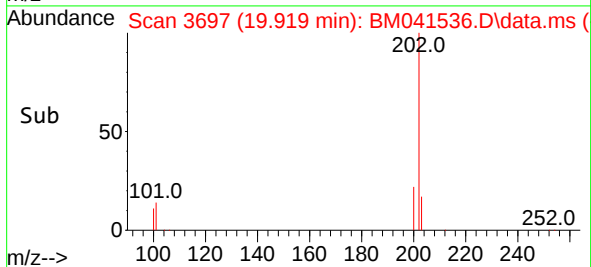
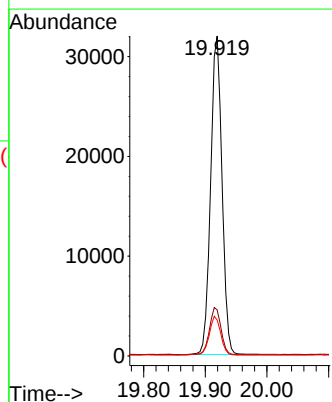
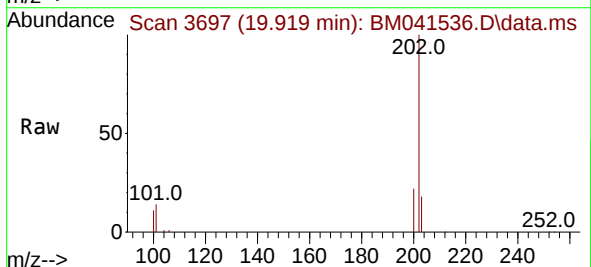
Tgt Ion:202 Resp: 40700

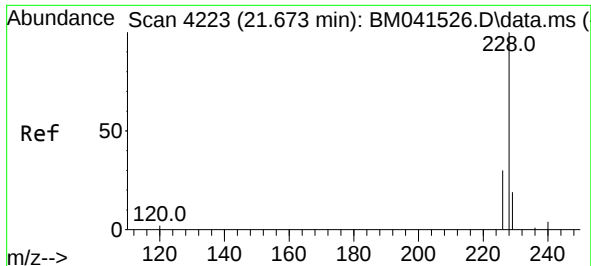
Ion Ratio Lower Upper

202 100

101 14.4 11.6 17.4

100 11.3 9.1 13.7

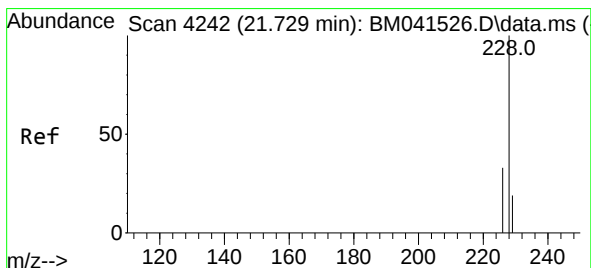
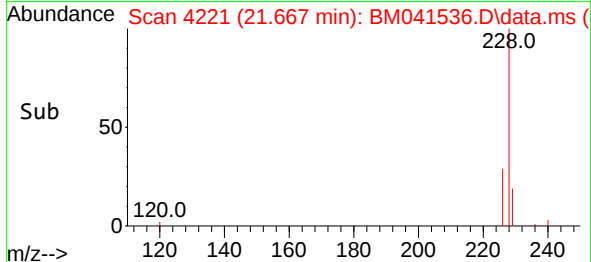
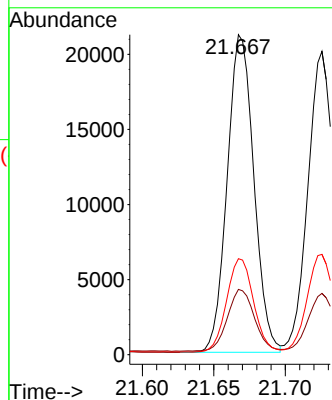
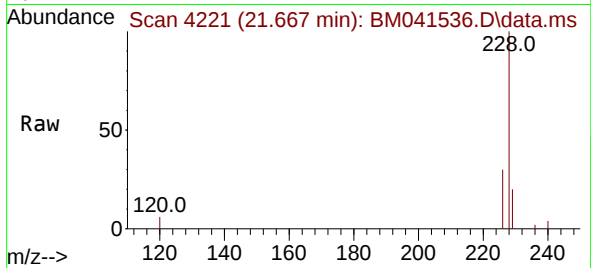




#21
Benzo(a)anthracene
Concen: 0.338 ng/ul
RT: 21.667 min Scan# 4221
Delta R.T. -0.009 min
Lab File: BM041536.D
Acq: 28 Aug 2023 23:58

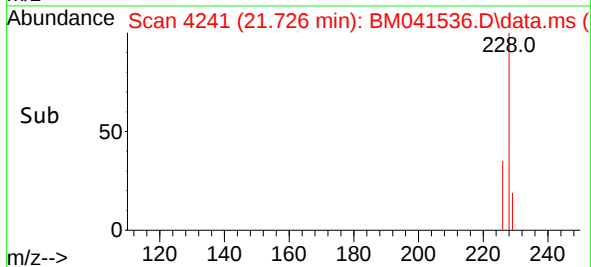
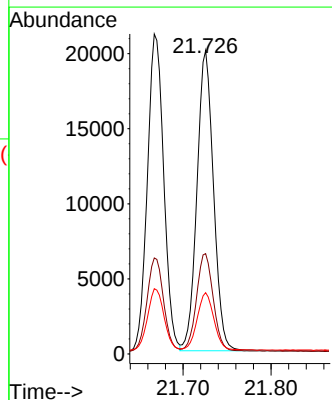
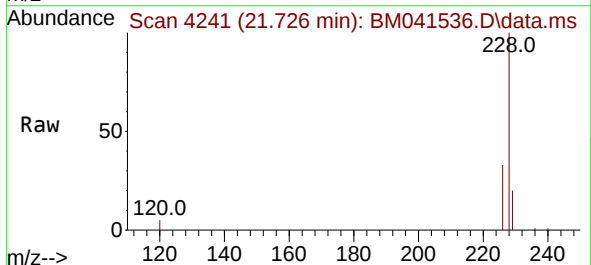
Instrument :
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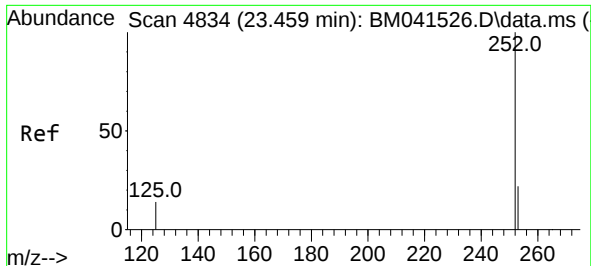
Tgt Ion:228 Resp: 27378
Ion Ratio Lower Upper
228 100
229 20.4 15.8 23.6
226 30.0 24.0 36.0



#22
Chrysene
Concen: 0.327 ng/ul
RT: 21.726 min Scan# 4241
Delta R.T. -0.006 min
Lab File: BM041536.D
Acq: 28 Aug 2023 23:58

Tgt Ion:228 Resp: 26237
Ion Ratio Lower Upper
228 100
226 33.1 26.3 39.5
229 20.2 15.4 23.2

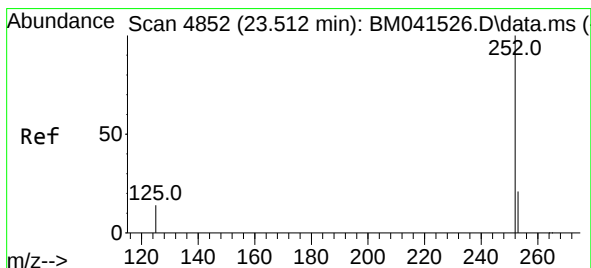
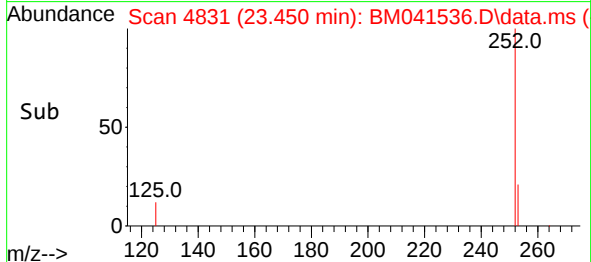
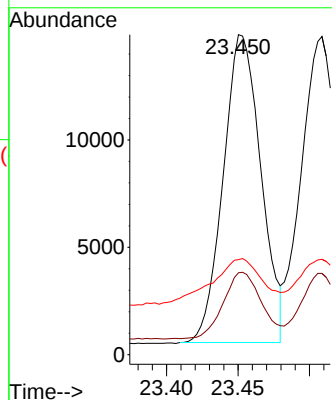
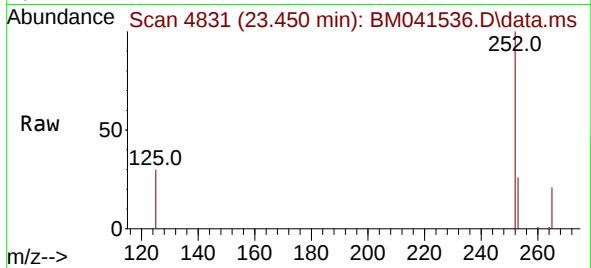




#24
Benzo(b)fluoranthene
Concen: 0.331 ng/ul
RT: 23.450 min Scan# 4831
Delta R.T. -0.012 min
Lab File: BM041536.D
Acq: 28 Aug 2023 23:58

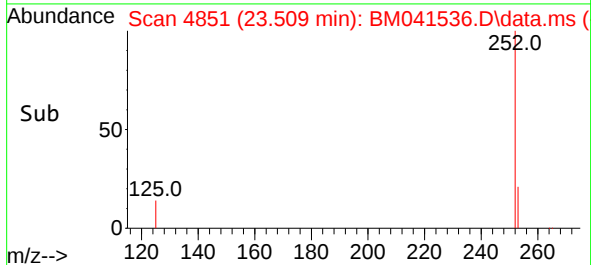
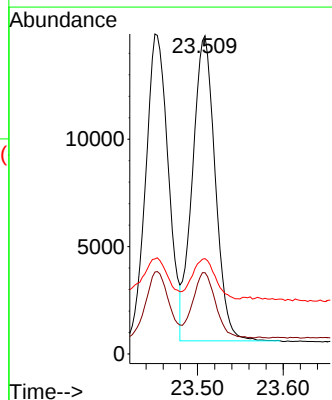
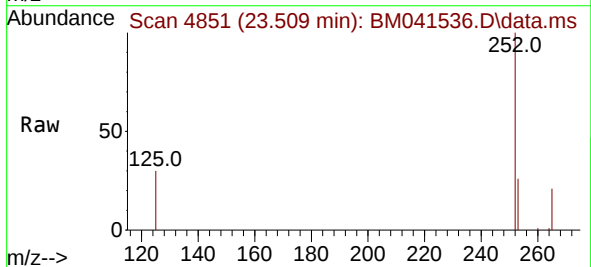
Instrument :
BNA_M
ClientSampleId :
DCHI7MS

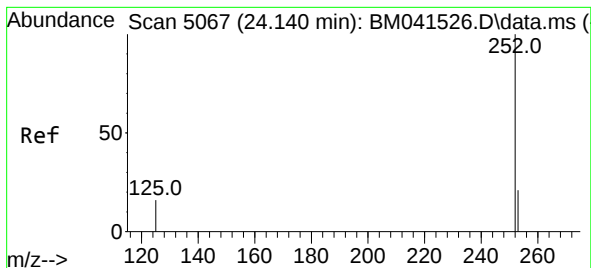
Tgt Ion:252 Resp: 26320
Ion Ratio Lower Upper
252 100
253 25.6 0.0 47.0
125 29.7 0.0 37.2



#25
Benzo(k)fluoranthene
Concen: 0.337 ng/ul
RT: 23.509 min Scan# 4851
Delta R.T. -0.009 min
Lab File: BM041536.D
Acq: 28 Aug 2023 23:58

Tgt Ion:252 Resp: 26257
Ion Ratio Lower Upper
252 100
253 25.5 19.3 28.9
125 30.0 15.0 22.4#





#26

Benzo(a)pyrene

Concen: 0.316 ng/ul

RT: 24.134 min Scan# 5067

Delta R.T. -0.009 min

Lab File: BM041536.D

Acq: 28 Aug 2023 23:58

Instrument :

BNA_M

ClientSampleId :

DCHI7MS

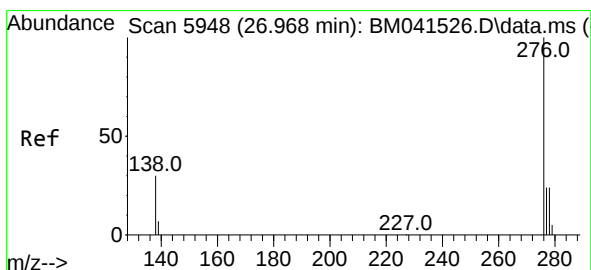
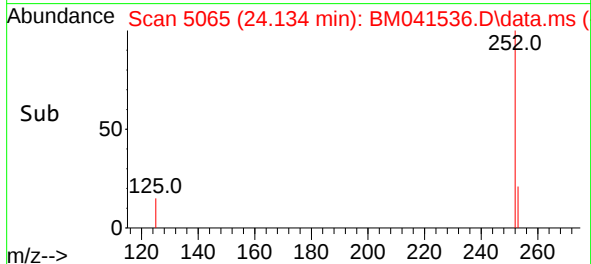
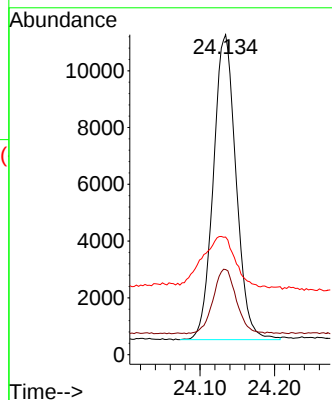
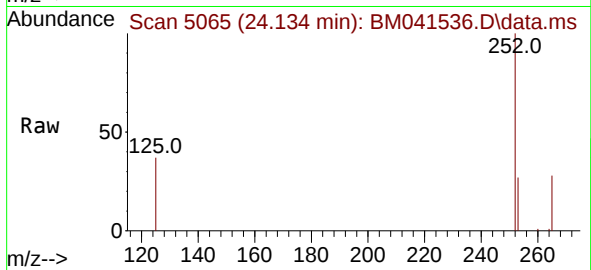
Tgt Ion:252 Resp: 22713

Ion Ratio Lower Upper

252 100

253 26.6 20.0 30.0

125 36.8 17.1 25.7#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.309 ng/ul

RT: 26.961 min Scan# 5946

Delta R.T. -0.010 min

Lab File: BM041536.D

Acq: 28 Aug 2023 23:58

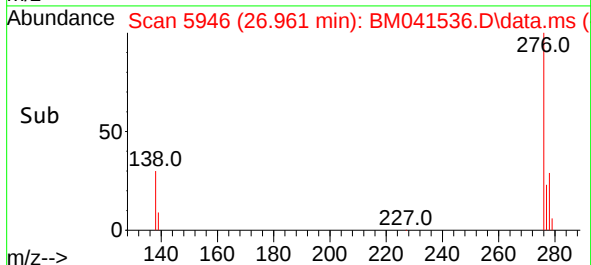
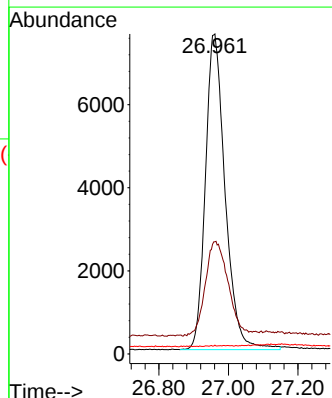
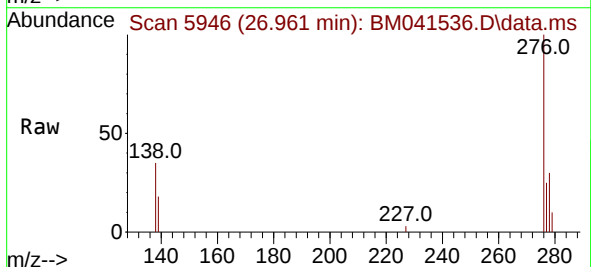
Tgt Ion:276 Resp: 29910

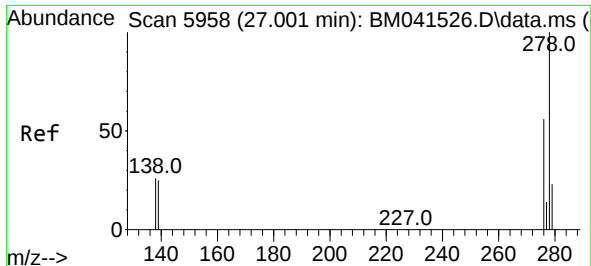
Ion Ratio Lower Upper

276 100

138 35.4 27.3 40.9

227 0.0 0.0 0.0#

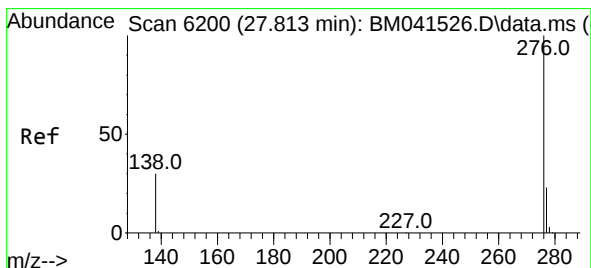
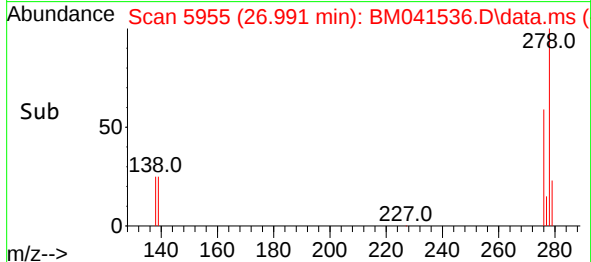
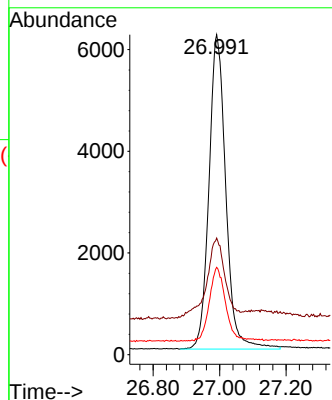
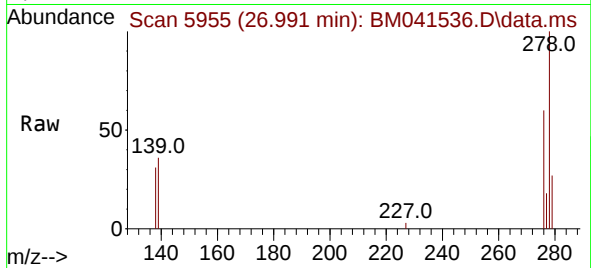




#28
Dibenzo(a,h)anthracene
Concen: 0.312 ng/ul
RT: 26.991 min Scan# 5958
Delta R.T. -0.017 min
Lab File: BM041536.D
Acq: 28 Aug 2023 23:58

Instrument :
BNA_M
ClientSampleId :
DCHI7MS

Tgt Ion:278 Resp: 21696
Ion Ratio Lower Upper
278 100
139 36.4 22.2 33.2#
279 27.3 20.4 30.6



#29
Benzo(g,h,i)perylene
Concen: 0.305 ng/ul
RT: 27.806 min Scan# 6198
Delta R.T. -0.010 min
Lab File: BM041536.D
Acq: 28 Aug 2023 23:58

Tgt Ion:276 Resp: 24719
Ion Ratio Lower Upper
276 100
138 34.4 25.9 38.9
277 24.9 19.1 28.7

