

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082923\
 Data File : BM041593.D
 Acq On : 31 Aug 2023 00:21
 Operator : MA/JU
 Sample : 04159-02MS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCHI9MS

Quant Time: Aug 31 02:19:32 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)

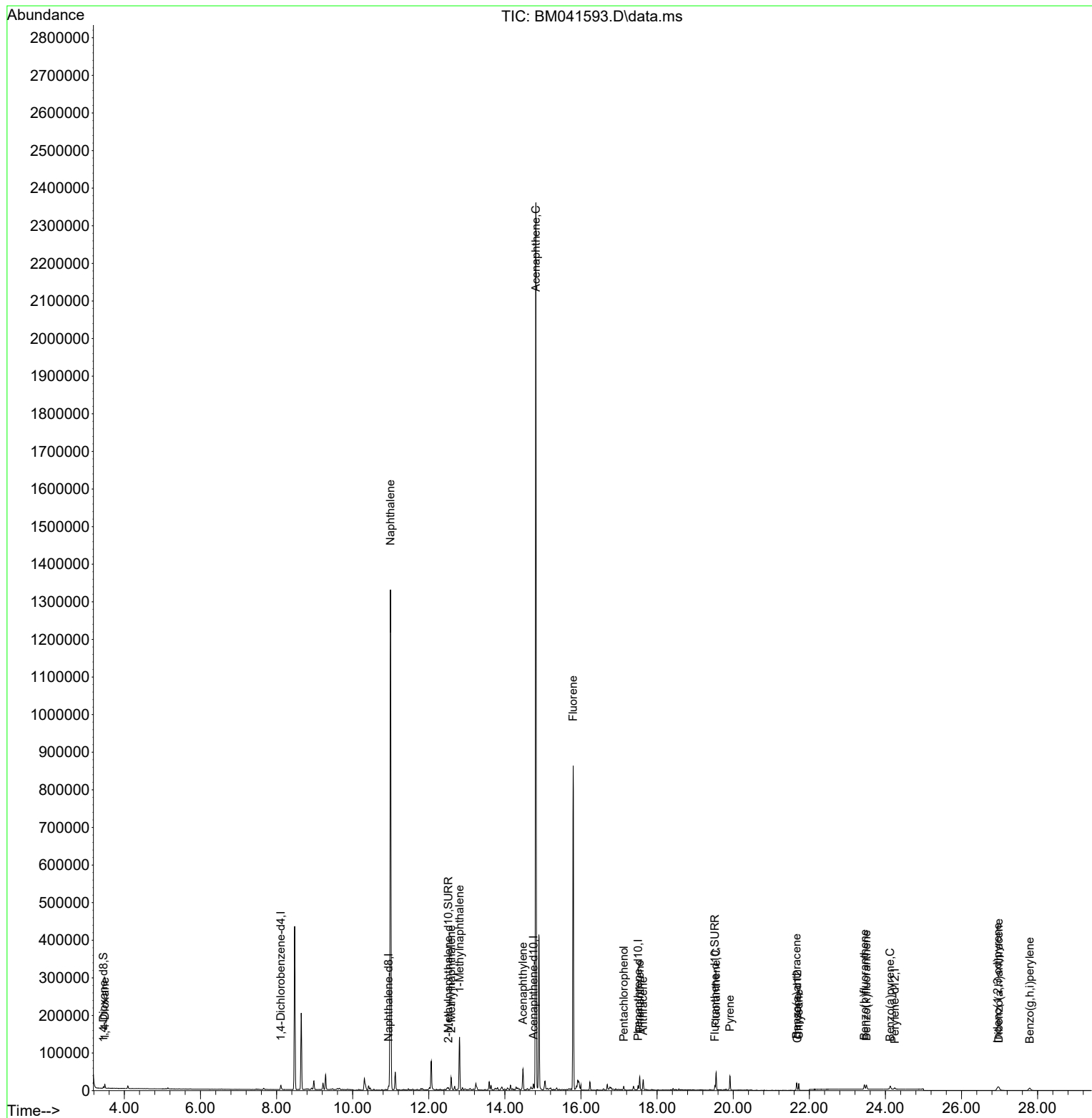
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.114	152	5609	0.400	ng/ul	0.00
4) Naphthalene-d8	10.944	136	13582	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.749	164	5952	0.400	ng/ul #	0.00
13) Phenanthrene-d10	17.502	188	11623	0.400	ng/ul	0.00
17) Chrysene-d12	21.685	240	4326	0.400	ng/ul	0.00
23) Perylene-d12	24.246	264	4529	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.452	96	2322	0.281	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.517	152	7005	0.428	ng/ul	0.00
18) Fluoranthene-d10	19.520	212	9757	0.457	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.486	88	6266	0.710	ng/ul#	90
5) Naphthalene	10.994	128	1776094	40.901	ng/ul	99
7) 2-Methylnaphthalene	12.588	142	20944	0.850	ng/ul	99
8) 1-Methylnaphthalene	12.808	142	91797	3.688	ng/ul	99
10) Acenaphthylene	14.476	152	47981	1.156	ng/ul	98
11) Acenaphthene	14.814	153	1310593	45.797	ng/ul	96
12) Fluorene	15.795	166	514451	16.516	ng/ul	97
14) Pentachlorophenol	17.122	266	5772	1.292	ng/ul	98
15) Phenanthrene	17.544	178	36882	0.727	ng/ul	99
16) Anthracene	17.633	178	29130	0.660	ng/ul	97
19) Fluoranthene	19.552	202	38235	0.674	ng/ul	98
20) Pyrene	19.915	202	30035	0.526	ng/ul	98
21) Benzo(a)anthracene	21.667	228	15478	0.401	ng/ul	99
22) Chrysene	21.723	228	15829	0.382	ng/ul	100
24) Benzo(b)fluoranthene	23.448	252	15812	0.376	ng/ul	99
25) Benzo(k)fluoranthene	23.500	252	15325	0.383	ng/ul	98
26) Benzo(a)pyrene	24.126	252	13856	0.370	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.948	276	17886	0.357	ng/ul#	37
28) Dibenzo(a,h)anthracene	26.978	278	12278	0.365	ng/ul	96
29) Benzo(g,h,i)perylene	27.789	276	15168	0.361	ng/ul	98

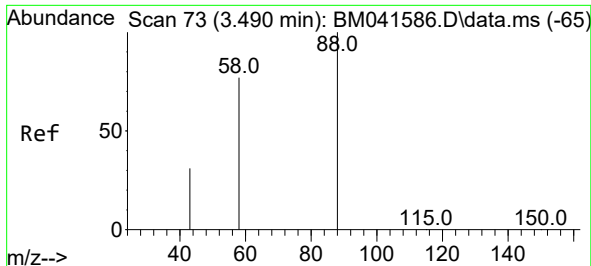
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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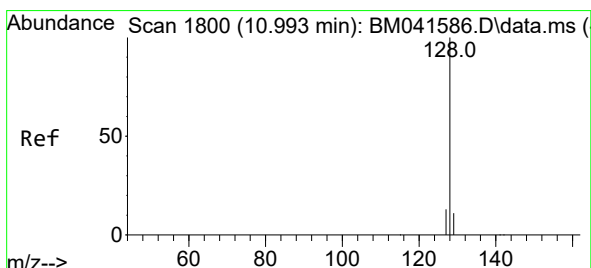
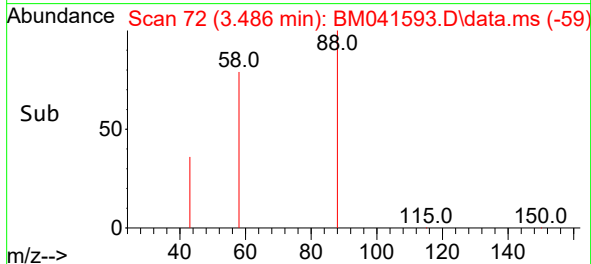
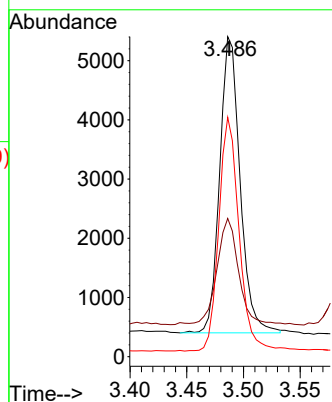
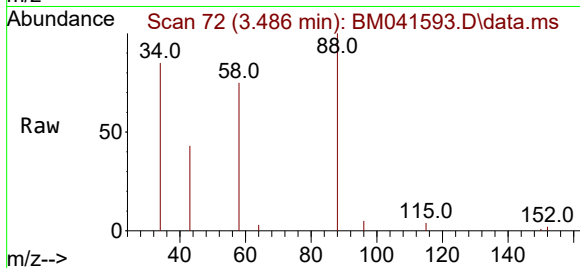




#2
1,4-Dioxane
Concen: 0.710 ng/ul
RT: 3.486 min Scan# 71
Delta R.T. -0.004 min
Lab File: BM041593.D
Acq: 31 Aug 2023 00:21

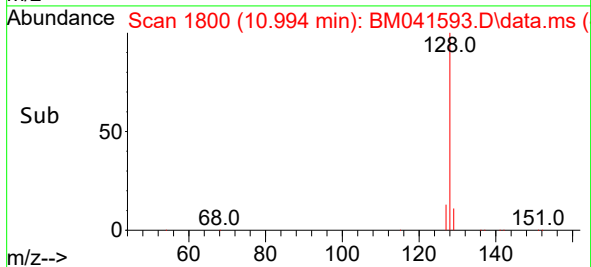
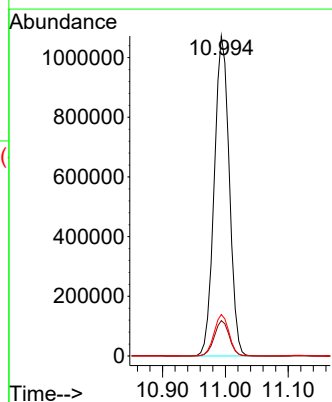
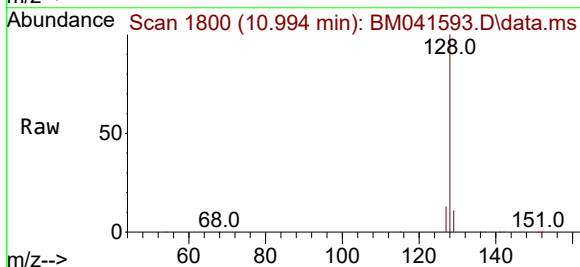
Instrument :
BNA_M
ClientSampleId :
DCHI9MS

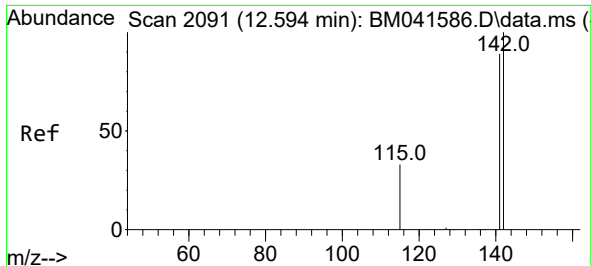
Tgt Ion: 88 Resp: 6266
Ion Ratio Lower Upper
88 100
43 43.2 46.2 69.2#
58 74.8 58.1 87.1



#5
Naphthalene
Concen: 40.901 ng/ul
RT: 10.994 min Scan# 1800
Delta R.T. -0.005 min
Lab File: BM041593.D
Acq: 31 Aug 2023 00:21

Tgt Ion:128 Resp: 1776094
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 12.9 10.6 15.8

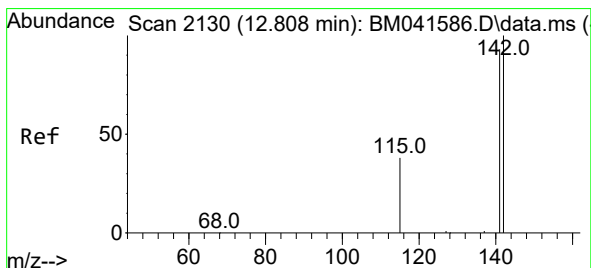
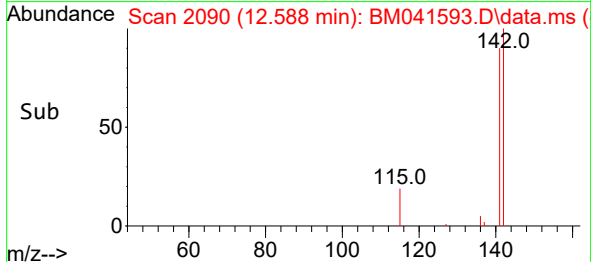
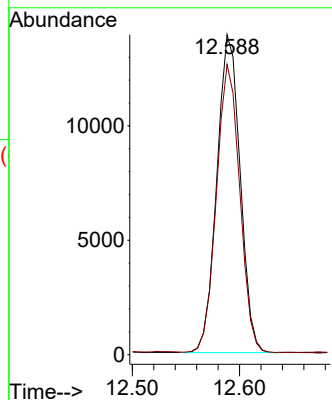
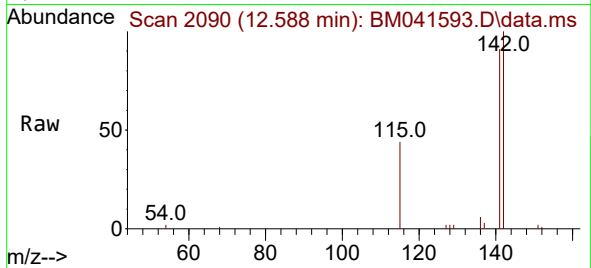




#7
2-Methylnaphthalene
Concen: 0.850 ng/ul
RT: 12.588 min Scan# 2090
Delta R.T. -0.005 min
Lab File: BM041593.D
Acq: 31 Aug 2023 00:21

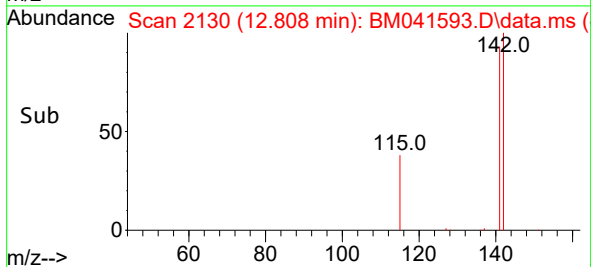
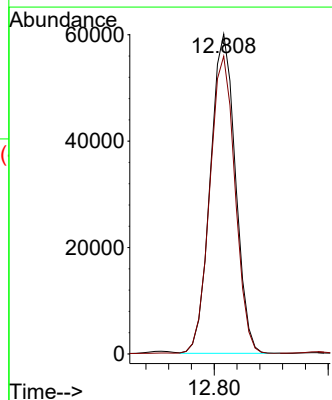
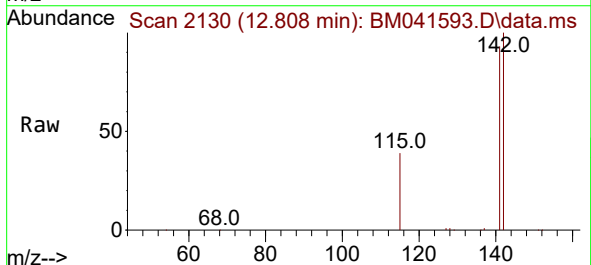
Instrument :
BNA_M
ClientSampleId :
DCHI9MS

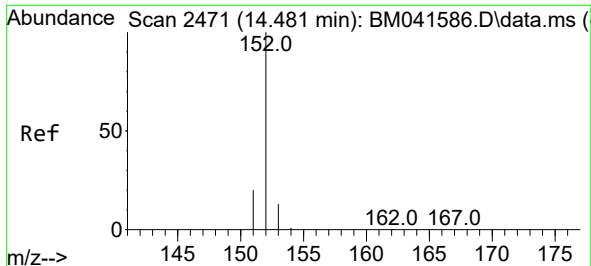
Tgt Ion:142 Resp: 20944
Ion Ratio Lower Upper
142 100
141 90.5 71.8 107.8



#8
1-Methylnaphthalene
Concen: 3.688 ng/ul
RT: 12.808 min Scan# 2130
Delta R.T. -0.005 min
Lab File: BM041593.D
Acq: 31 Aug 2023 00:21

Tgt Ion:142 Resp: 91797
Ion Ratio Lower Upper
142 100
141 93.9 74.2 111.2

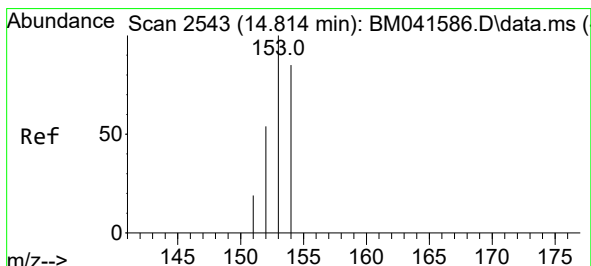
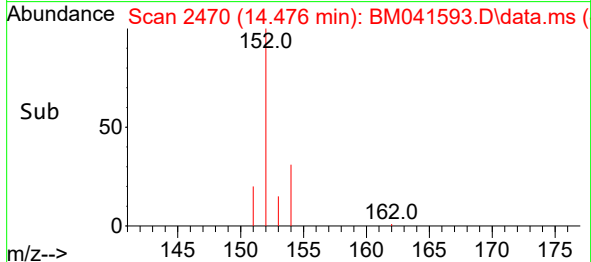
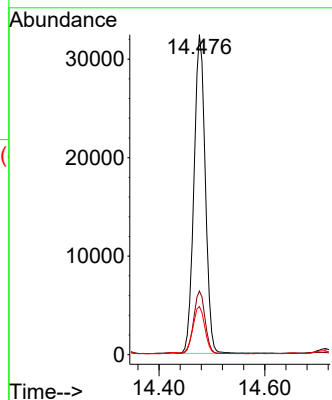
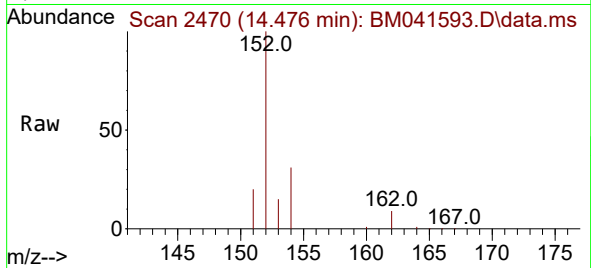




#10
Acenaphthylene
Concen: 1.156 ng/ul
RT: 14.476 min Scan# 2471
Delta R.T. -0.004 min
Lab File: BM041593.D
Acq: 31 Aug 2023 00:21

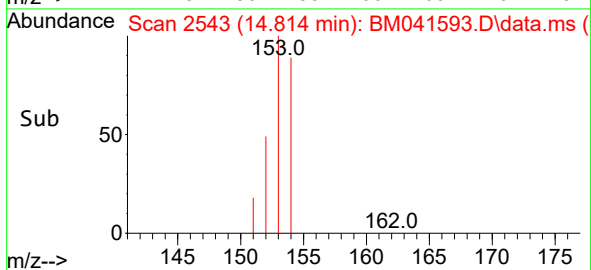
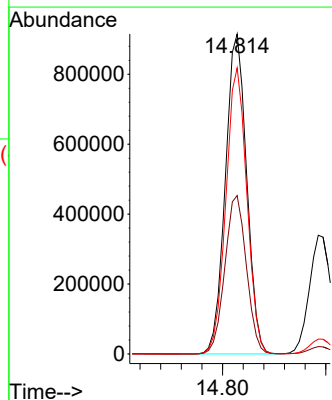
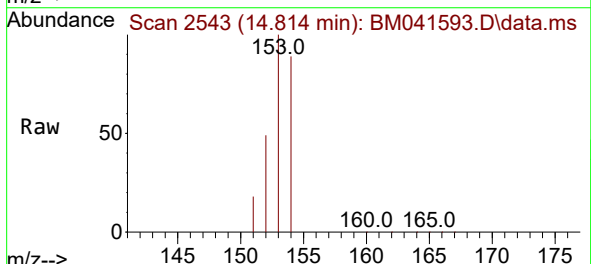
Instrument :
BNA_M
ClientSampleId :
DCHI9MS

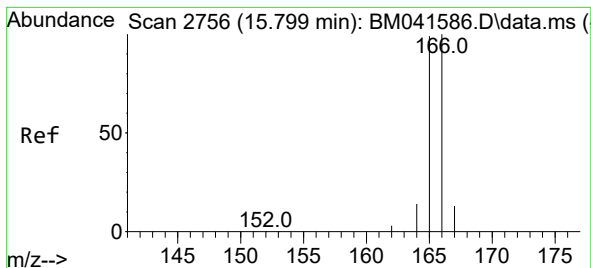
Tgt Ion:152 Resp: 47981
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 15.0 10.6 15.8



#11
Acenaphthene
Concen: 45.797 ng/ul
RT: 14.814 min Scan# 2543
Delta R.T. -0.004 min
Lab File: BM041593.D
Acq: 31 Aug 2023 00:21

Tgt Ion:153 Resp: 1310593
Ion Ratio Lower Upper
153 100
152 49.5 43.4 65.2
154 89.4 70.2 105.2





#12

Fluorene

Concen: 16.516 ng/ul

RT: 15.795 min Scan# 21

Delta R.T. -0.004 min

Lab File: BM041593.D

Acq: 31 Aug 2023 00:21

Instrument :

BNA_M

ClientSampleId :

DCHI9MS

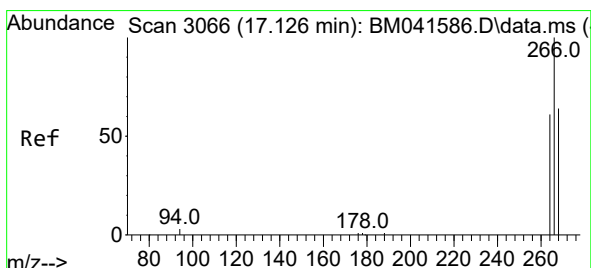
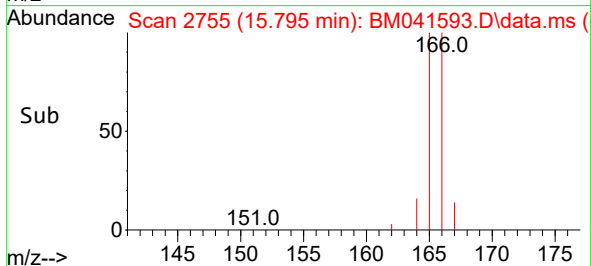
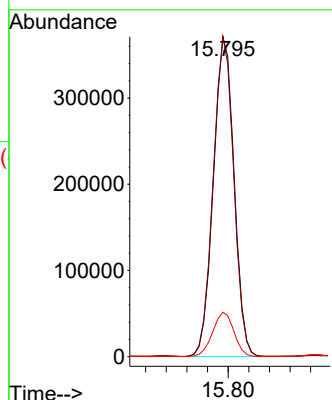
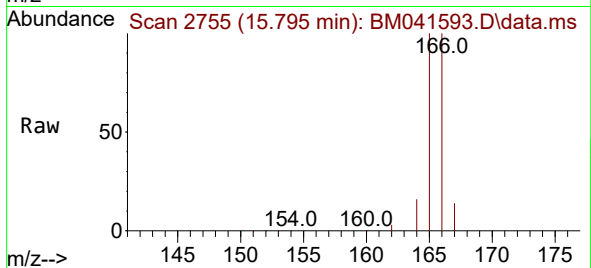
Tgt Ion:166 Resp: 514451

Ion Ratio Lower Upper

166 100

165 99.9 82.2 123.2

167 13.9 11.5 17.3



#14

Pentachlorophenol

Concen: 1.292 ng/ul

RT: 17.122 min Scan# 3065

Delta R.T. -0.004 min

Lab File: BM041593.D

Acq: 31 Aug 2023 00:21

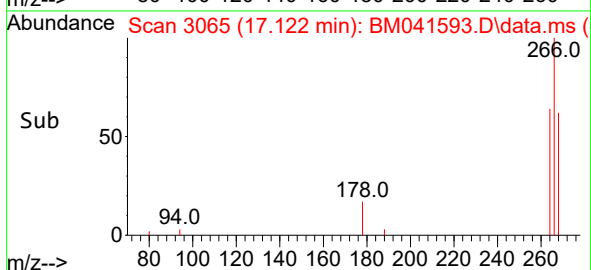
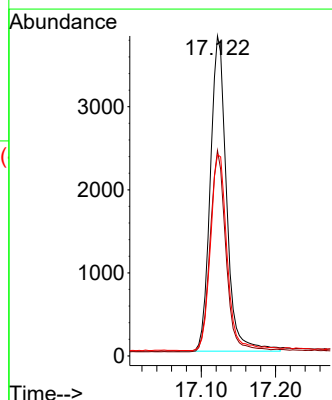
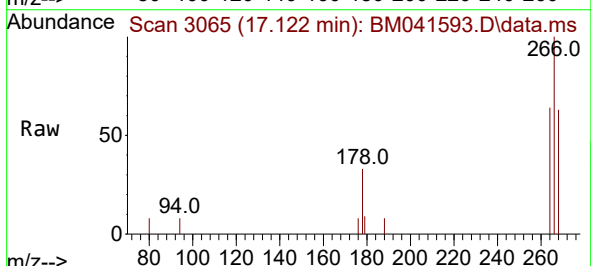
Tgt Ion:266 Resp: 5772

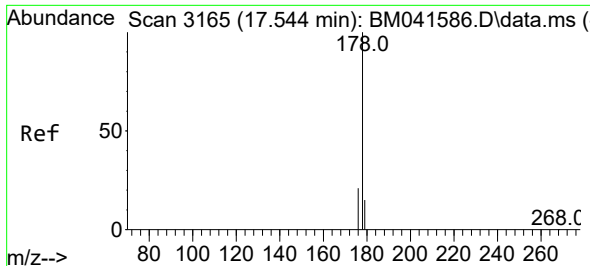
Ion Ratio Lower Upper

266 100

264 62.8 49.3 73.9

268 64.0 50.2 75.4

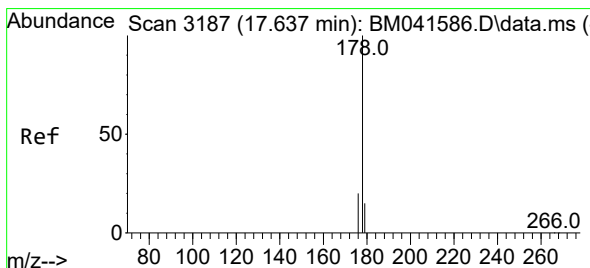
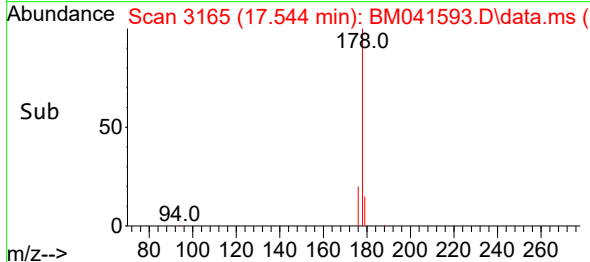
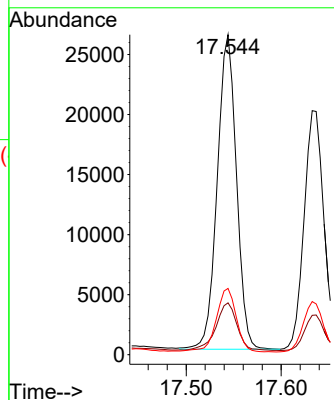
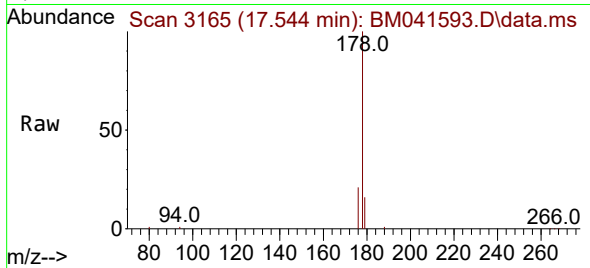




#15
Phenanthrene
Concen: 0.727 ng/ul
RT: 17.544 min Scan# 3165
Delta R.T. -0.004 min
Lab File: BM041593.D
Acq: 31 Aug 2023 00:21

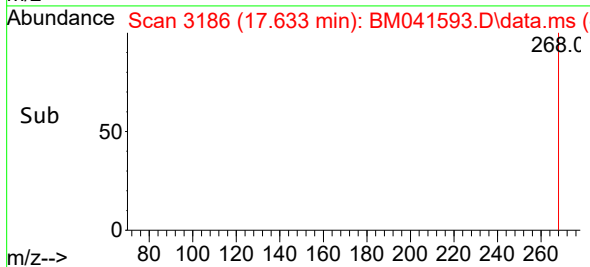
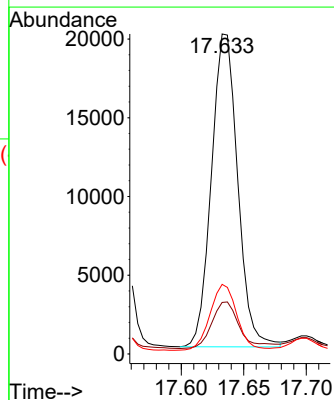
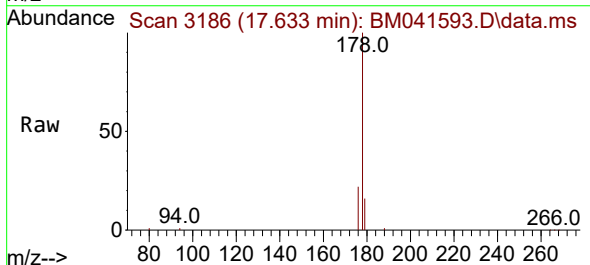
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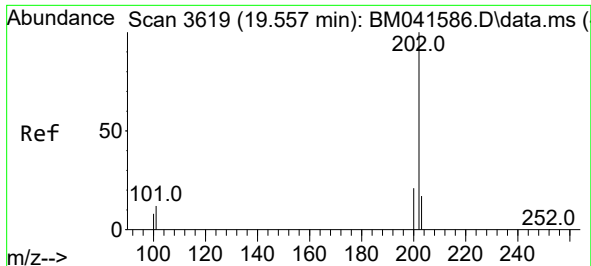
Tgt Ion:178 Resp: 36882
Ion Ratio Lower Upper
178 100
179 16.2 12.6 19.0
176 20.7 16.2 24.4



#16
Anthracene
Concen: 0.660 ng/ul
RT: 17.633 min Scan# 3186
Delta R.T. -0.008 min
Lab File: BM041593.D
Acq: 31 Aug 2023 00:21

Tgt Ion:178 Resp: 29130
Ion Ratio Lower Upper
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179 16.1 12.9 19.3
176 21.7 15.6 23.4

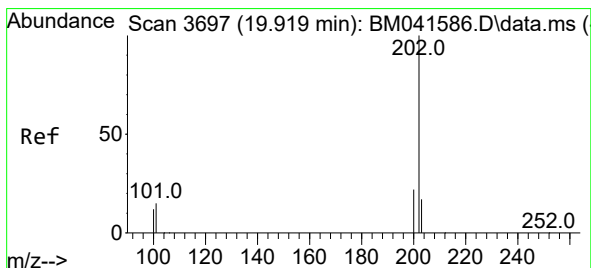
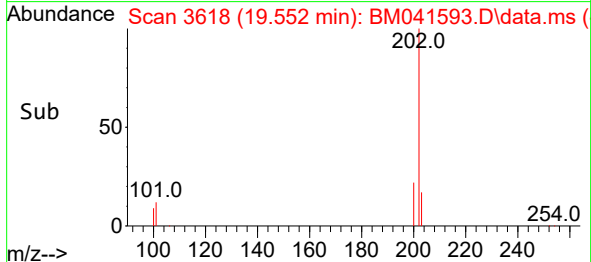
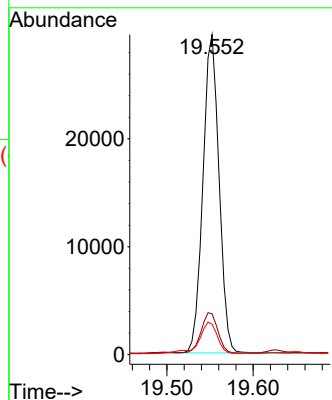
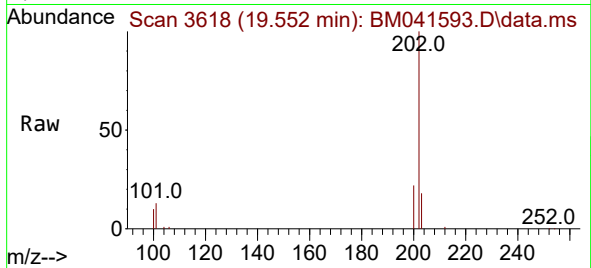




#19
Fluoranthene
Concen: 0.674 ng/ul
RT: 19.552 min Scan# 3618
Delta R.T. -0.004 min
Lab File: BM041593.D
Acq: 31 Aug 2023 00:21

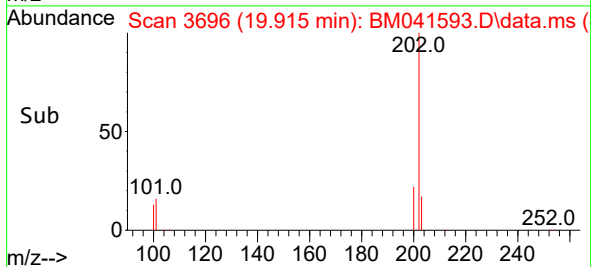
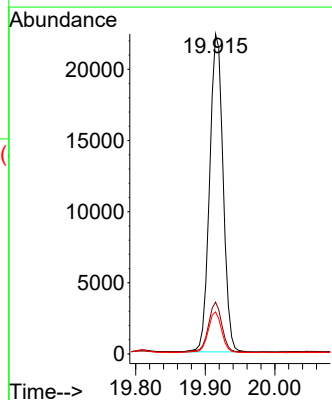
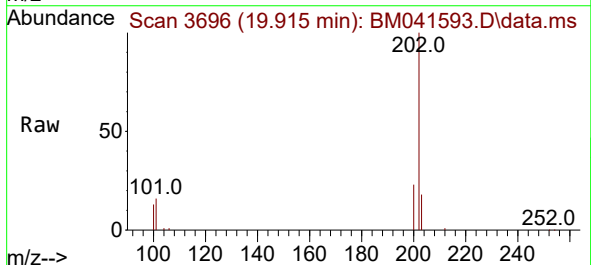
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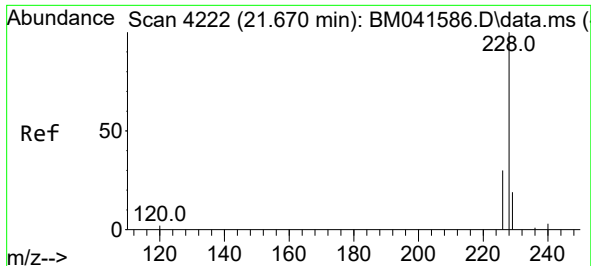
Tgt Ion:202 Resp: 38235
Ion Ratio Lower Upper
202 100
101 12.8 10.7 16.1
100 9.5 8.1 12.1



#20
Pyrene
Concen: 0.526 ng/ul
RT: 19.915 min Scan# 3696
Delta R.T. -0.009 min
Lab File: BM041593.D
Acq: 31 Aug 2023 00:21

Tgt Ion:202 Resp: 30035
Ion Ratio Lower Upper
202 100
101 16.2 12.2 18.4
100 13.2 9.8 14.8

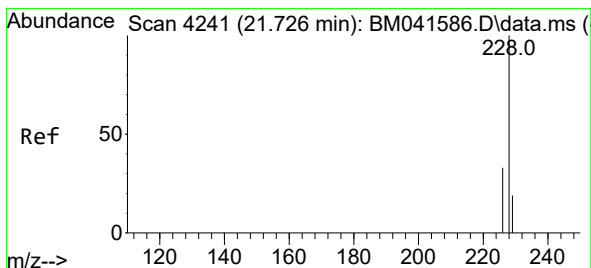
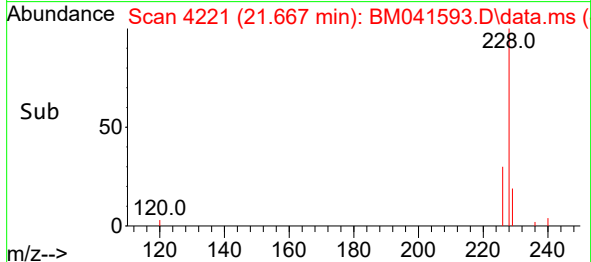
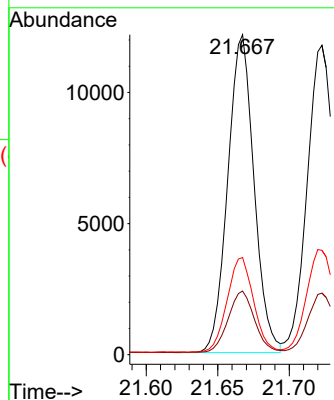
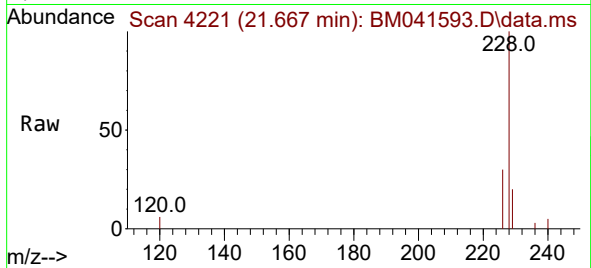




#21
Benzo(a)anthracene
Concen: 0.401 ng/ul
RT: 21.667 min Scan# 41
Delta R.T. -0.003 min
Lab File: BM041593.D
Acq: 31 Aug 2023 00:21

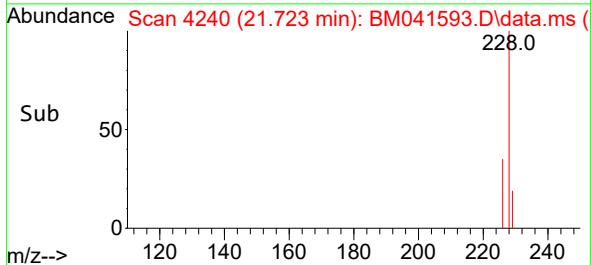
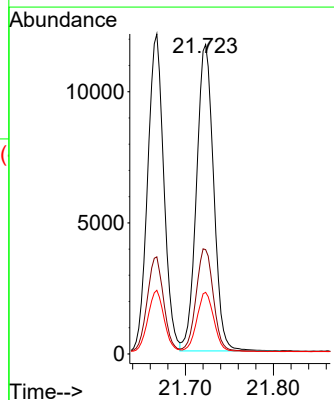
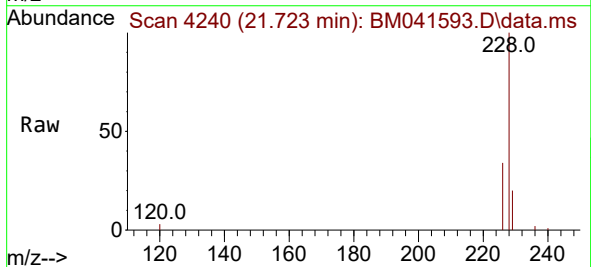
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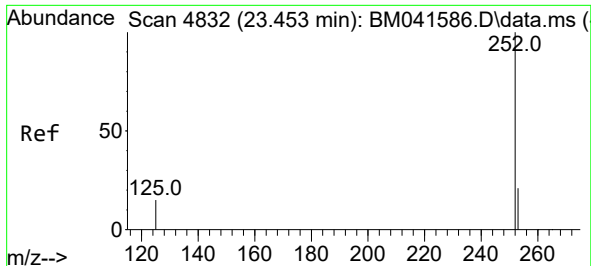
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Ion Ratio Lower Upper
228 100
229 19.9 15.6 23.4
226 30.4 25.0 37.4



#22
Chrysene
Concen: 0.382 ng/ul
RT: 21.723 min Scan# 4240
Delta R.T. -0.006 min
Lab File: BM041593.D
Acq: 31 Aug 2023 00:21

Tgt Ion:228 Resp: 15829
Ion Ratio Lower Upper
228 100
226 33.7 26.7 40.1
229 19.9 15.9 23.9

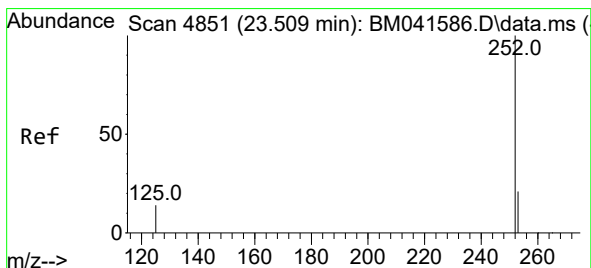
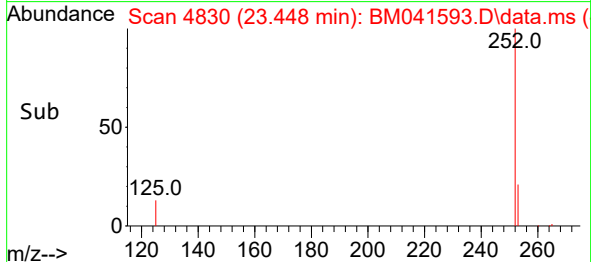
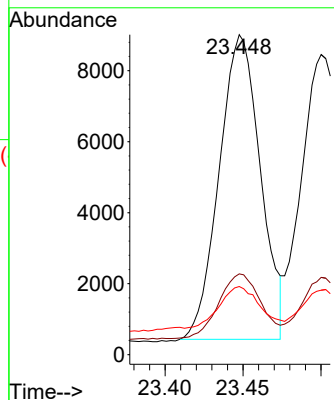
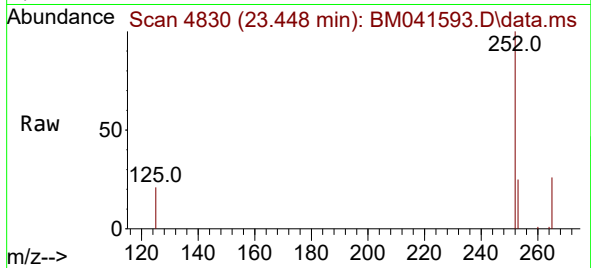




#24
Benzo(b)fluoranthene
Concen: 0.376 ng/ul
RT: 23.448 min Scan# 4830
Delta R.T. -0.011 min
Lab File: BM041593.D
Acq: 31 Aug 2023 00:21

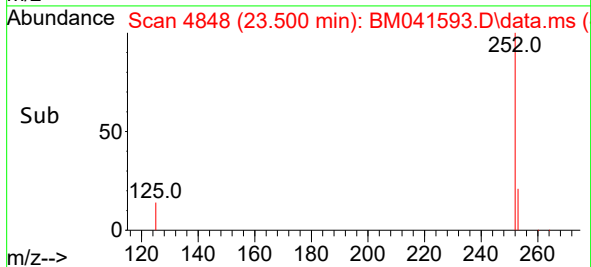
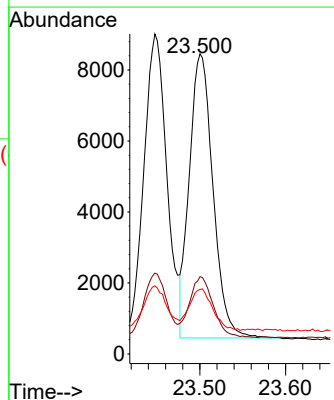
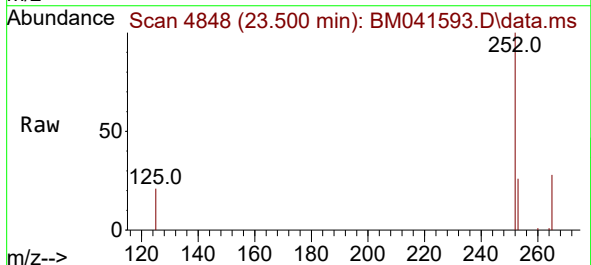
Instrument :
BNA_M
ClientSampleId :
DCHI9MS

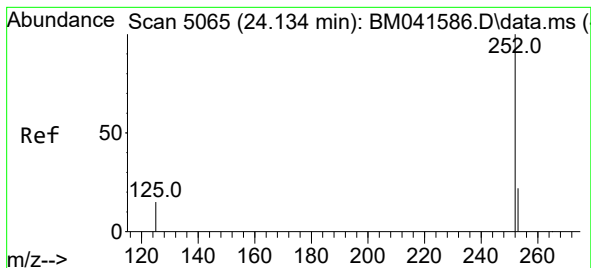
Tgt Ion:252 Resp: 15812
Ion Ratio Lower Upper
252 100
253 25.2 0.0 50.0
125 21.3 0.0 44.0



#25
Benzo(k)fluoranthene
Concen: 0.383 ng/ul
RT: 23.500 min Scan# 4848
Delta R.T. -0.011 min
Lab File: BM041593.D
Acq: 31 Aug 2023 00:21

Tgt Ion:252 Resp: 15325
Ion Ratio Lower Upper
252 100
253 25.8 20.2 30.4
125 21.5 18.2 27.4





#26

Benzo(a)pyrene

Concen: 0.370 ng/ul

RT: 24.126 min Scan# 5065

Delta R.T. -0.011 min

Lab File: BM041593.D

Acq: 31 Aug 2023 00:21

Instrument :

BNA_M

ClientSampleId :

DCHI9MS

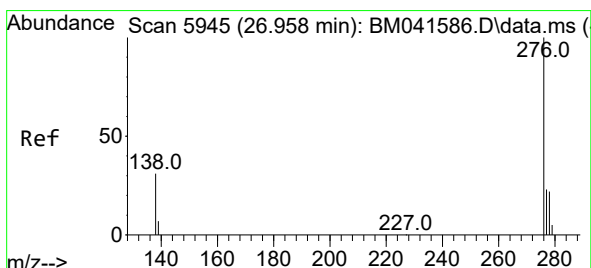
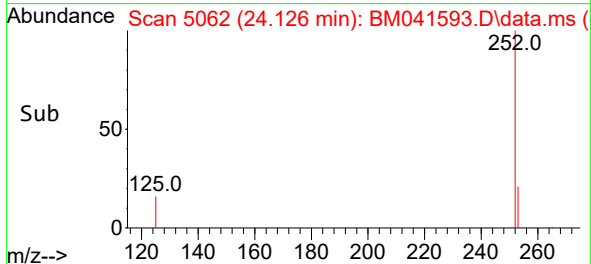
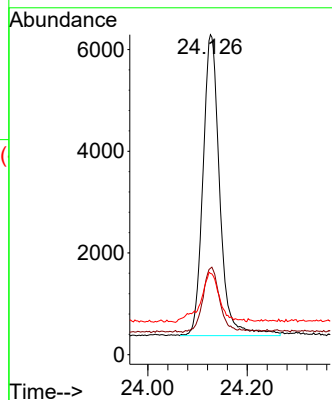
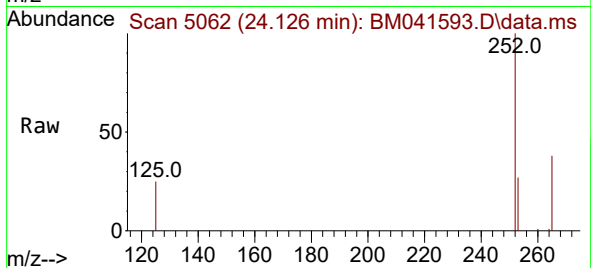
Tgt Ion:252 Resp: 13856

Ion Ratio Lower Upper

252 100

253 27.0 20.9 31.3

125 25.4 21.1 31.7



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.357 ng/ul

RT: 26.948 min Scan# 5942

Delta R.T. -0.017 min

Lab File: BM041593.D

Acq: 31 Aug 2023 00:21

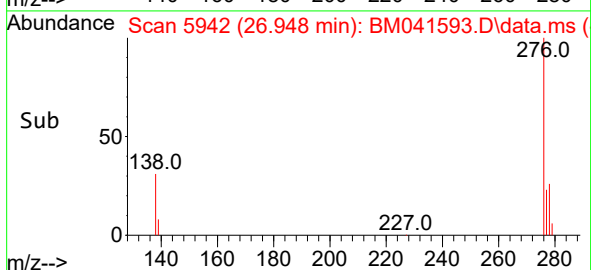
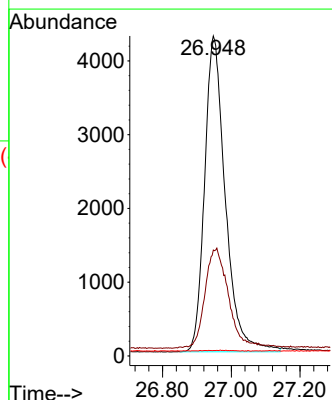
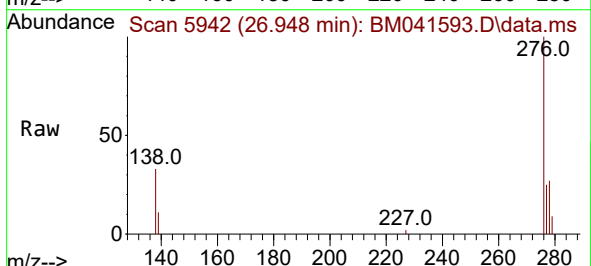
Tgt Ion:276 Resp: 17886

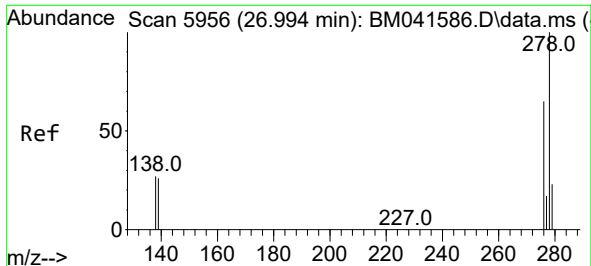
Ion Ratio Lower Upper

276 100

138 0.0 30.3 45.5#

227 0.0 0.1 0.1#

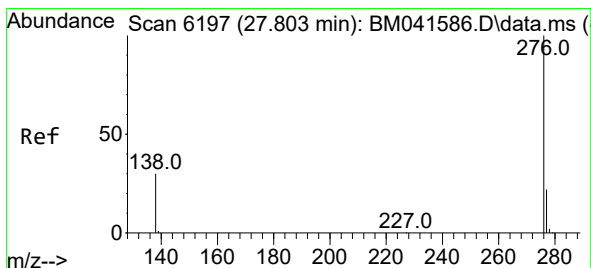
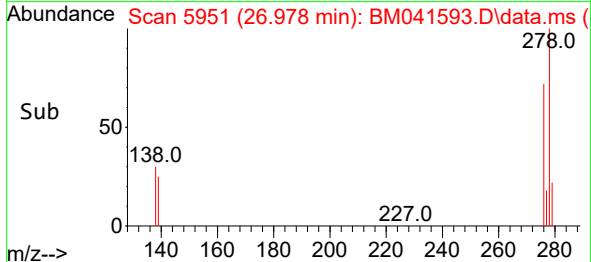
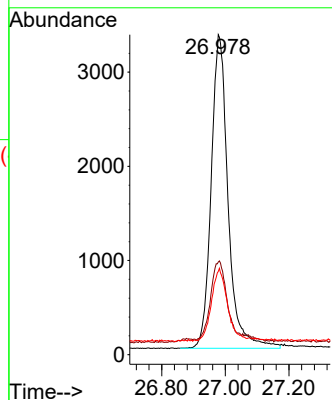
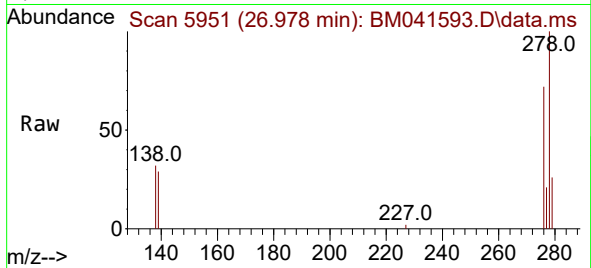




#28
Dibenzo(a,h)anthracene
Concen: 0.365 ng/ul
RT: 26.978 min Scan# 5951
Delta R.T. -0.017 min
Lab File: BM041593.D
Acq: 31 Aug 2023 00:21

Instrument :
BNA_M
ClientSampleId :
DCHI9MS

Tgt Ion:278 Resp: 12278
Ion Ratio Lower Upper
278 100
139 28.9 25.0 37.4
279 26.0 22.6 34.0



#29
Benzo(g,h,i)perylene
Concen: 0.361 ng/ul
RT: 27.789 min Scan# 6193
Delta R.T. -0.017 min
Lab File: BM041593.D
Acq: 31 Aug 2023 00:21

Tgt Ion:276 Resp: 15168
Ion Ratio Lower Upper
276 100
138 32.7 27.4 41.0
277 25.4 20.4 30.6

