

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082923\
 Data File : BM041594.D
 Acq On : 31 Aug 2023 00:58
 Operator : MA/JU
 Sample : 04159-03MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCHI9MSD

Quant Time: Aug 31 02:19:43 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

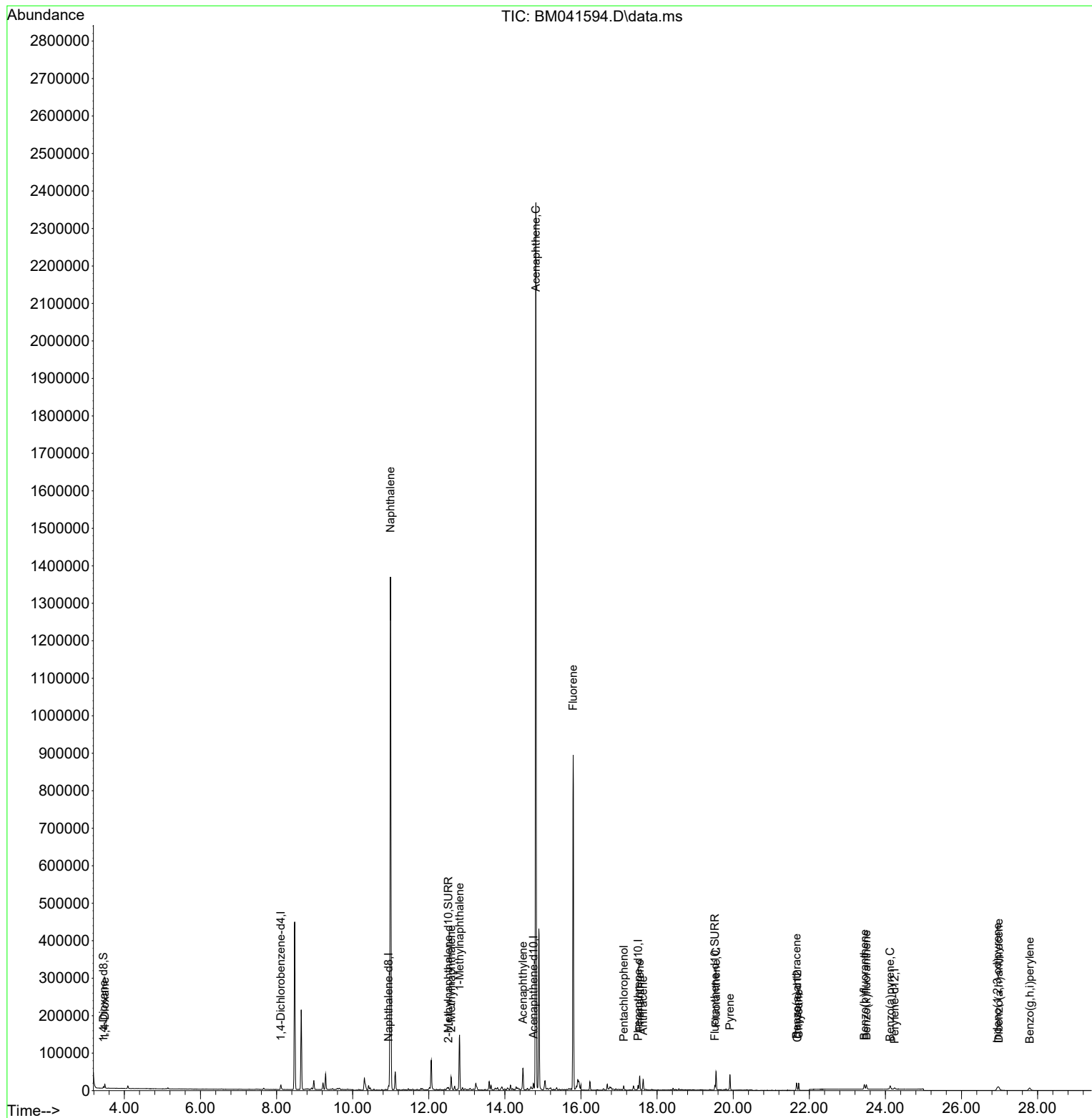
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.114	152	6027	0.400	ng/ul	0.00
4) Naphthalene-d8	10.944	136	14547	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.749	164	6313	0.400	ng/ul	# 0.00
13) Phenanthrene-d10	17.502	188	12353	0.400	ng/ul	0.00
17) Chrysene-d12	21.682	240	4647	0.400	ng/ul	0.00
23) Perylene-d12	24.243	264	4899	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.452	96	2371	0.267	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.517	152	7199	0.410	ng/ul	0.00
18) Fluoranthene-d10	19.520	212	10318	0.450	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.486	88	6372	0.672	ng/ul#	90
5) Naphthalene	10.994	128	1826855	39.279	ng/ul	99
7) 2-Methylnaphthalene	12.588	142	21736	0.824	ng/ul	100
8) 1-Methylnaphthalene	12.808	142	95228	3.572	ng/ul	99
10) Acenaphthylene	14.477	152	49379	1.122	ng/ul	98
11) Acenaphthene	14.814	153	1347548	44.395	ng/ul	97
12) Fluorene	15.795	166	532706	16.124	ng/ul	97
14) Pentachlorophenol	17.122	266	6062	1.277	ng/ul	97
15) Phenanthrene	17.544	178	38293	0.710	ng/ul	98
16) Anthracene	17.633	178	30114	0.642	ng/ul	98
19) Fluoranthene	19.548	202	40028	0.657	ng/ul	98
20) Pyrene	19.915	202	31630	0.516	ng/ul	99
21) Benzo(a)anthracene	21.664	228	16187	0.390	ng/ul	99
22) Chrysene	21.720	228	16412	0.369	ng/ul	99
24) Benzo(b)fluoranthene	23.448	252	16613	0.365	ng/ul	99
25) Benzo(k)fluoranthene	23.500	252	16174	0.374	ng/ul	98
26) Benzo(a)pyrene	24.126	252	14322	0.353	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.941	276	18605	0.344	ng/ul#	37
28) Dibenzo(a,h)anthracene	26.981	278	12670	0.348	ng/ul	97
29) Benzo(g,h,i)perylene	27.790	276	15671	0.345	ng/ul	98

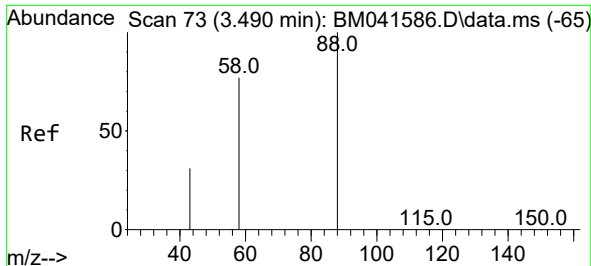
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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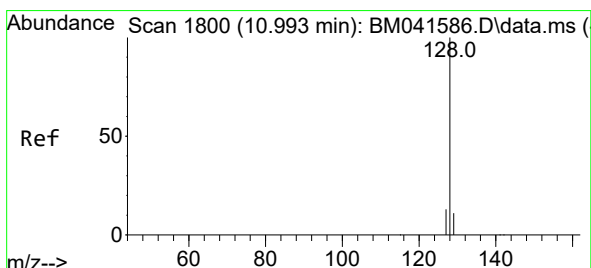
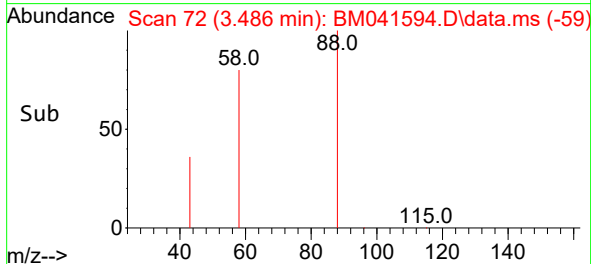
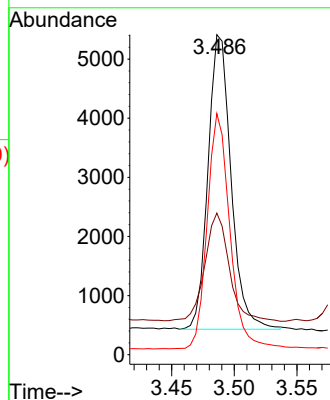
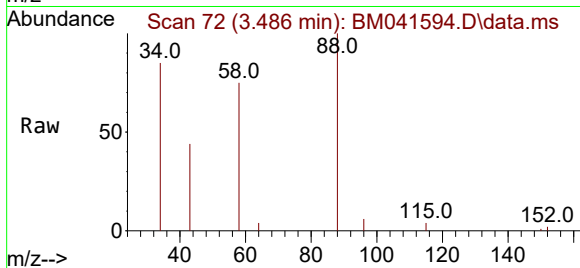




#2
1,4-Dioxane
Concen: 0.672 ng/ul
RT: 3.486 min Scan# 71
Delta R.T. -0.004 min
Lab File: BM041594.D
Acq: 31 Aug 2023 00:58

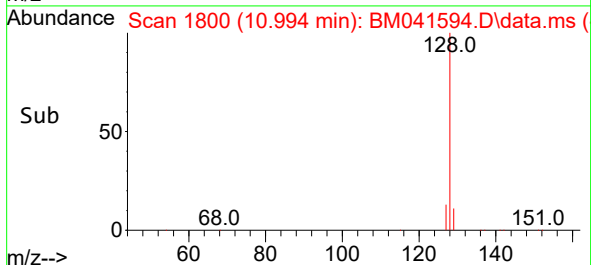
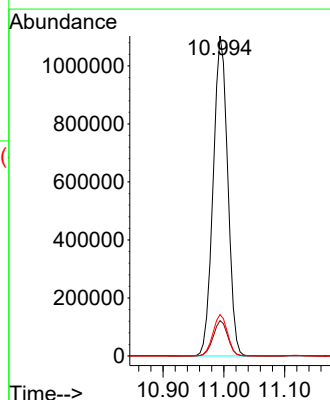
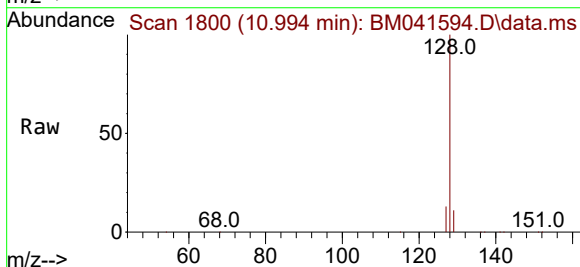
Instrument :
BNA_M
ClientSampleId :
DCHI9MSD

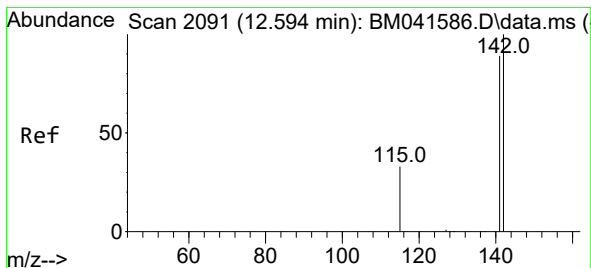
Tgt Ion: 88 Resp: 6372
Ion Ratio Lower Upper
88 100
43 44.2 46.2 69.2#
58 75.3 58.1 87.1



#5
Naphthalene
Concen: 39.279 ng/ul
RT: 10.994 min Scan# 1800
Delta R.T. -0.005 min
Lab File: BM041594.D
Acq: 31 Aug 2023 00:58

Tgt Ion:128 Resp: 1826855
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 12.9 10.6 15.8

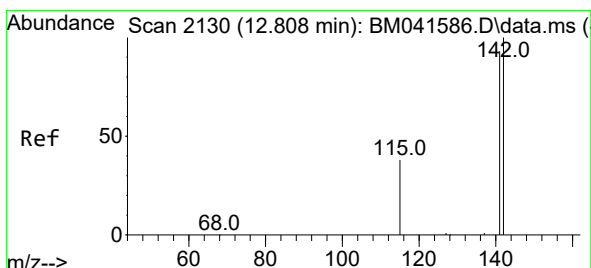
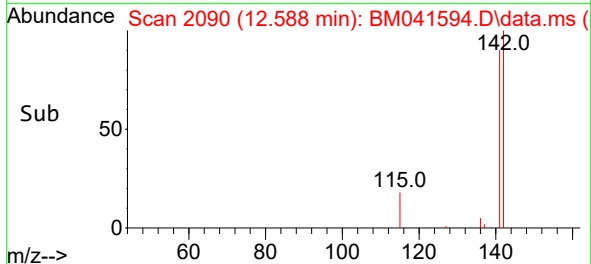
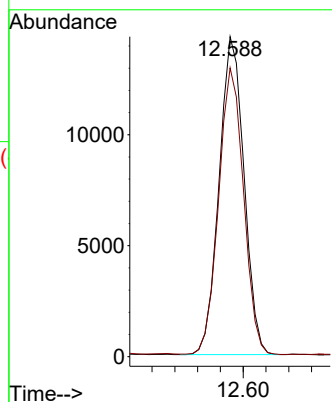
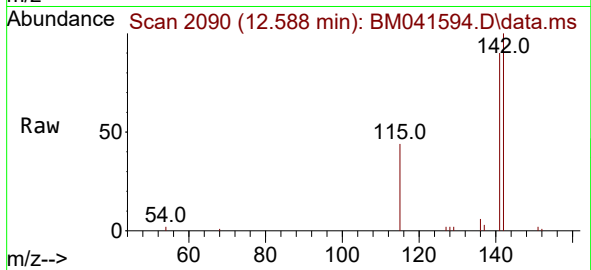




#7
2-Methylnaphthalene
Concen: 0.824 ng/ul
RT: 12.588 min Scan# 2091
Delta R.T. -0.005 min
Lab File: BM041594.D
Acq: 31 Aug 2023 00:58

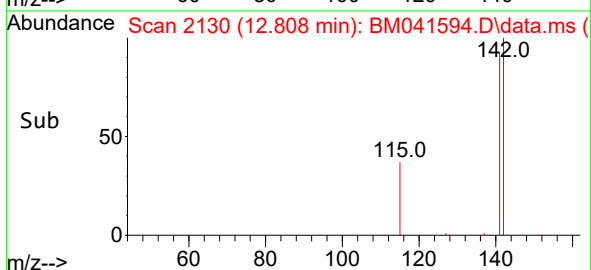
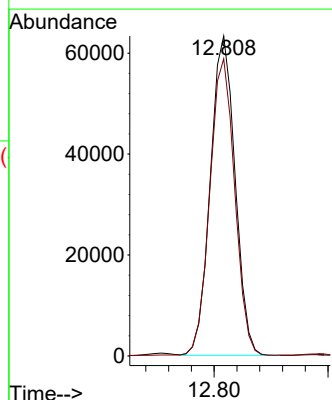
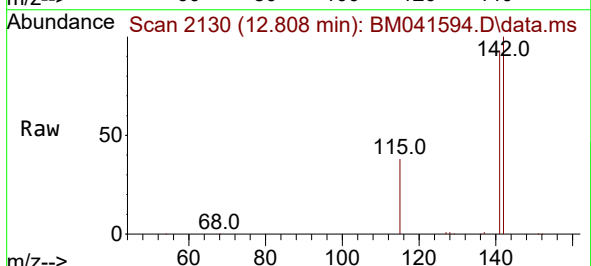
Instrument :
BNA_M
ClientSampleId :
DCHI9MSD

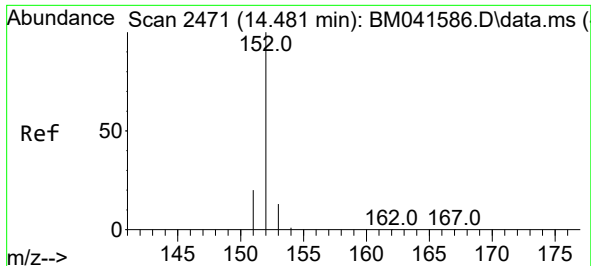
Tgt Ion:142 Resp: 21736
Ion Ratio Lower Upper
142 100
141 90.0 71.8 107.8



#8
1-Methylnaphthalene
Concen: 3.572 ng/ul
RT: 12.808 min Scan# 2130
Delta R.T. -0.005 min
Lab File: BM041594.D
Acq: 31 Aug 2023 00:58

Tgt Ion:142 Resp: 95228
Ion Ratio Lower Upper
142 100
141 93.5 74.2 111.2

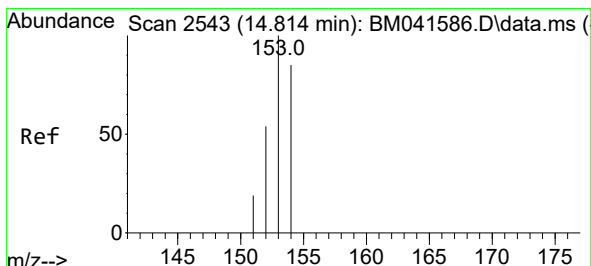
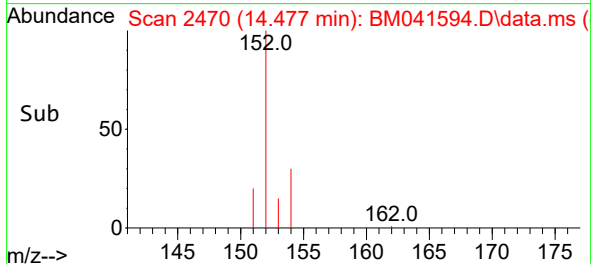
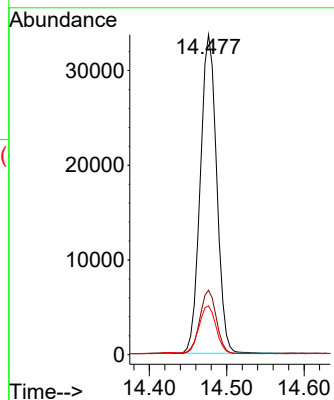
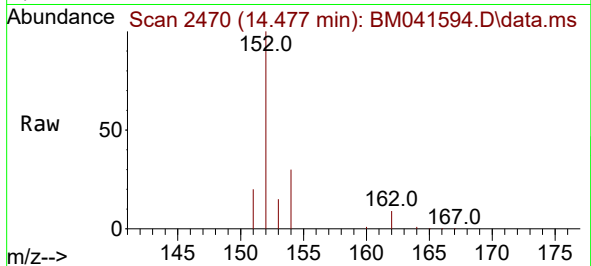




#10
Acenaphthylene
Concen: 1.122 ng/ul
RT: 14.477 min Scan# 2471
Delta R.T. -0.004 min
Lab File: BM041594.D
Acq: 31 Aug 2023 00:58

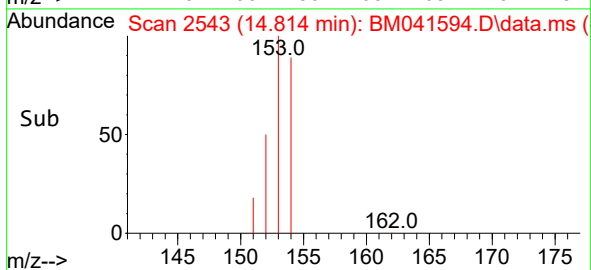
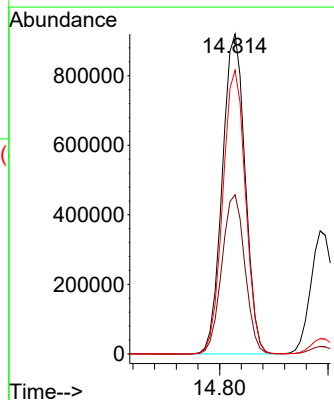
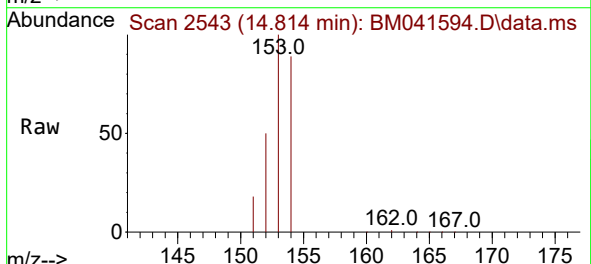
Instrument :
BNA_M
ClientSampleId :
DCHI9MSD

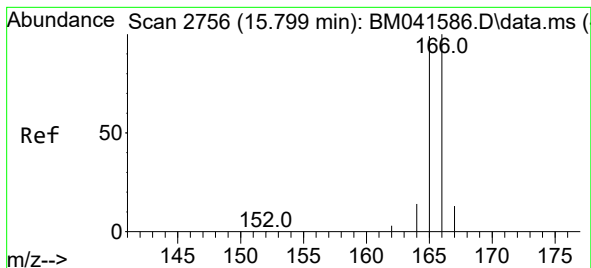
Tgt Ion:152 Resp: 49379
Ion Ratio Lower Upper
152 100
151 20.2 15.9 23.9
153 15.3 10.6 15.8



#11
Acenaphthene
Concen: 44.395 ng/ul
RT: 14.814 min Scan# 2543
Delta R.T. -0.004 min
Lab File: BM041594.D
Acq: 31 Aug 2023 00:58

Tgt Ion:153 Resp: 1347548
Ion Ratio Lower Upper
153 100
152 49.7 43.4 65.2
154 88.7 70.2 105.2





#12

Fluorene

Concen: 16.124 ng/ul

RT: 15.795 min Scan# 21

Delta R.T. -0.004 min

Lab File: BM041594.D

Acq: 31 Aug 2023 00:58

Instrument :

BNA_M

ClientSampleId :

DCHI9MSD

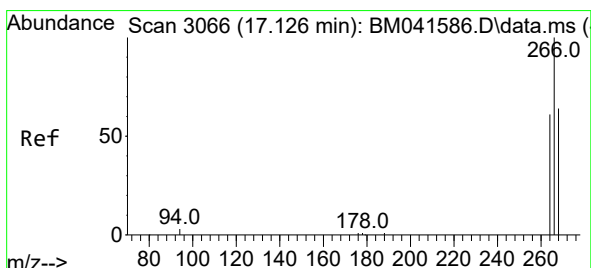
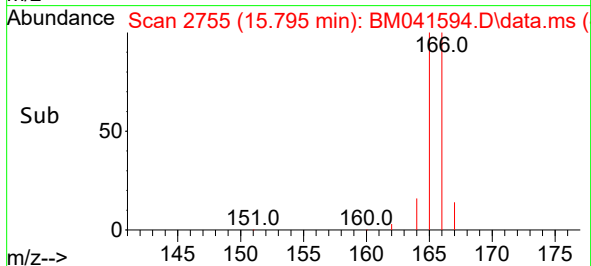
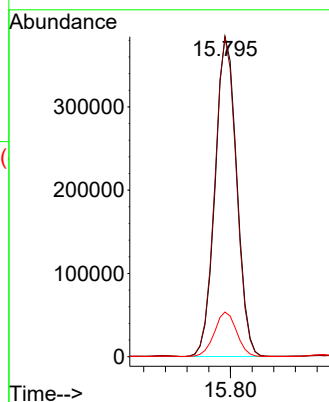
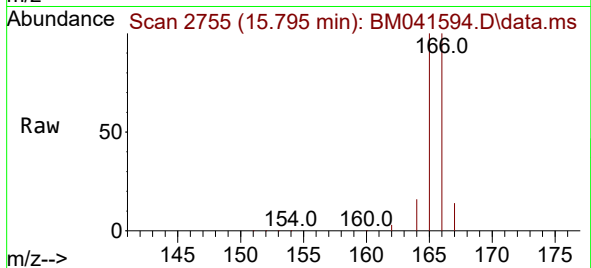
Tgt Ion:166 Resp: 532706

Ion Ratio Lower Upper

166 100

165 99.8 82.2 123.2

167 14.0 11.5 17.3



#14

Pentachlorophenol

Concen: 1.277 ng/ul

RT: 17.122 min Scan# 3065

Delta R.T. -0.004 min

Lab File: BM041594.D

Acq: 31 Aug 2023 00:58

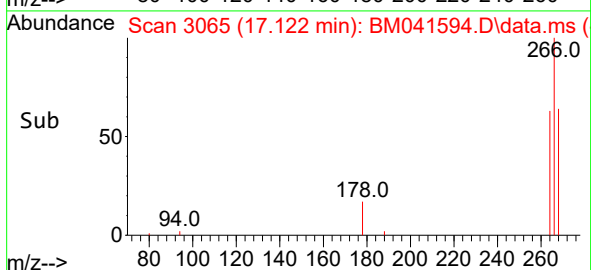
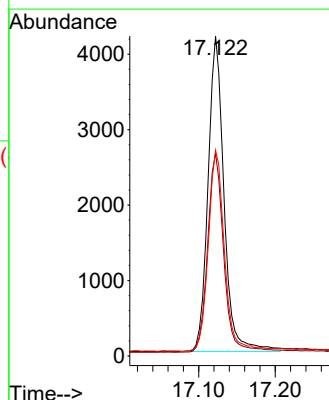
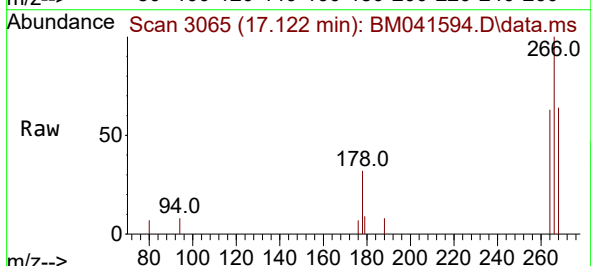
Tgt Ion:266 Resp: 6062

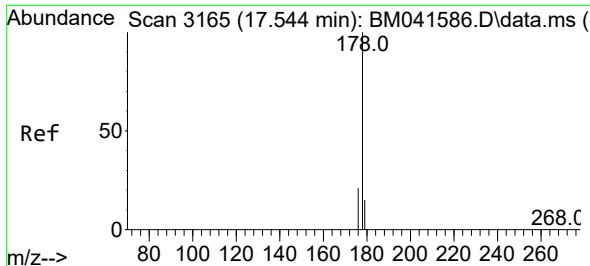
Ion Ratio Lower Upper

266 100

264 63.8 49.3 73.9

268 64.6 50.2 75.4

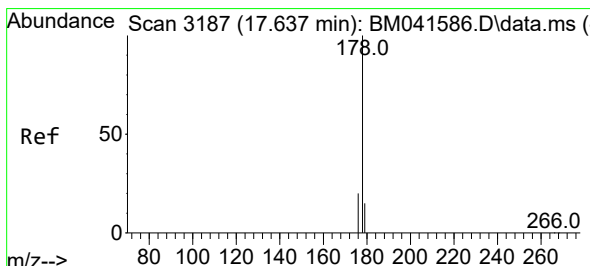
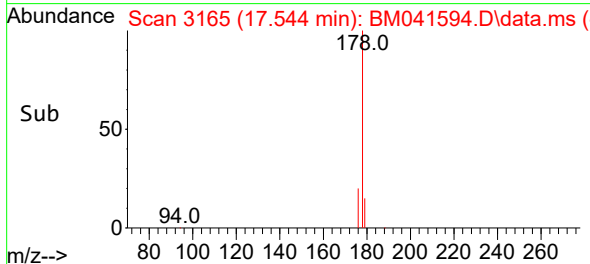
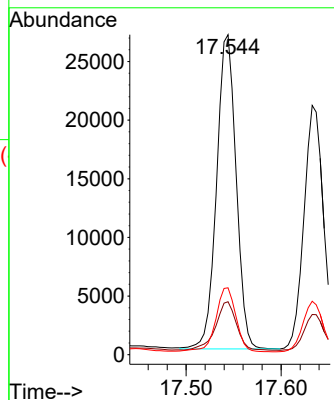
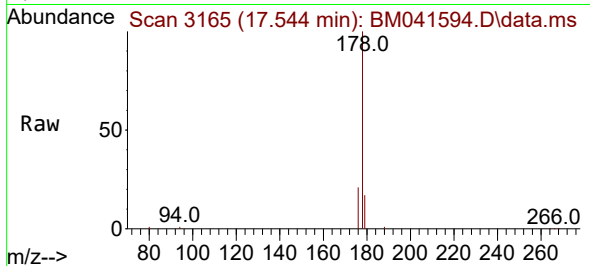




#15
Phenanthrene
Concen: 0.710 ng/ul
RT: 17.544 min Scan# 3165
Delta R.T. -0.004 min
Lab File: BM041594.D
Acq: 31 Aug 2023 00:58

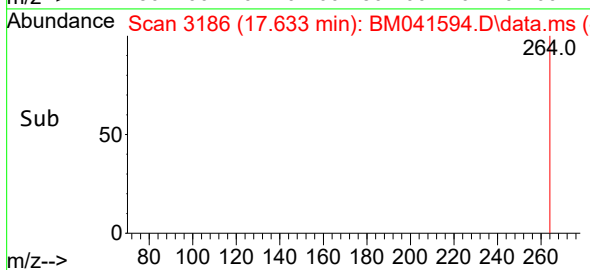
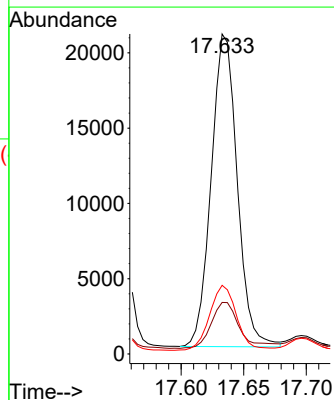
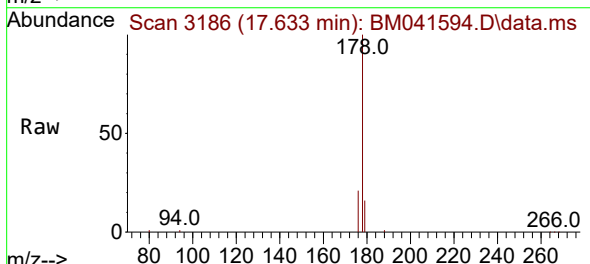
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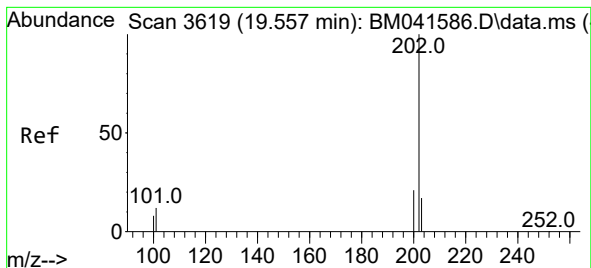
Tgt Ion:178	Resp:	38293
Ion Ratio	Lower	Upper
178	100	
179	16.6	12.6 19.0
176	20.9	16.2 24.4



#16
Anthracene
Concen: 0.642 ng/ul
RT: 17.633 min Scan# 3186
Delta R.T. -0.008 min
Lab File: BM041594.D
Acq: 31 Aug 2023 00:58

Tgt Ion:178	Resp:	30114
Ion Ratio	Lower	Upper
178	100	
179	16.1	12.9 19.3
176	21.4	15.6 23.4





#19

Fluoranthene

Concen: 0.657 ng/ul

RT: 19.548 min Scan# 3

Delta R.T. -0.009 min

Lab File: BM041594.D

Acq: 31 Aug 2023 00:58

Instrument :

BNA_M

ClientSampleId :

DCHI9MSD

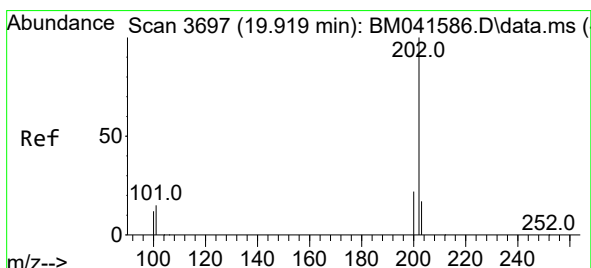
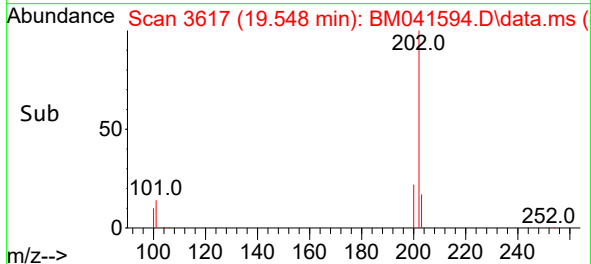
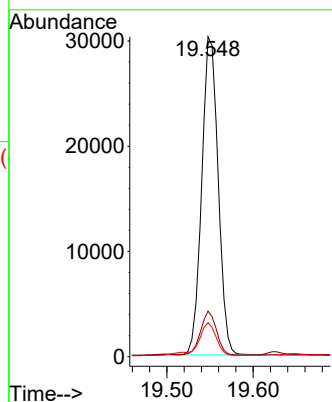
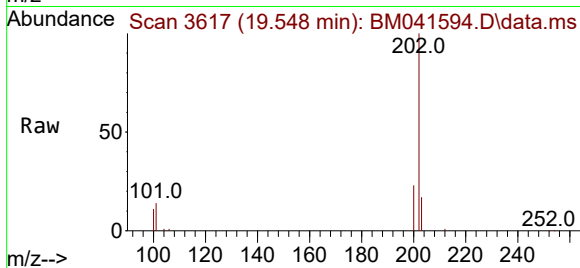
Tgt Ion:202 Resp: 40028

Ion Ratio Lower Upper

202 100

101 14.3 10.7 16.1

100 10.6 8.1 12.1



#20

Pyrene

Concen: 0.516 ng/ul

RT: 19.915 min Scan# 3696

Delta R.T. -0.009 min

Lab File: BM041594.D

Acq: 31 Aug 2023 00:58

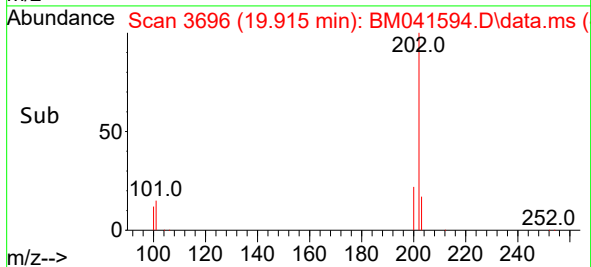
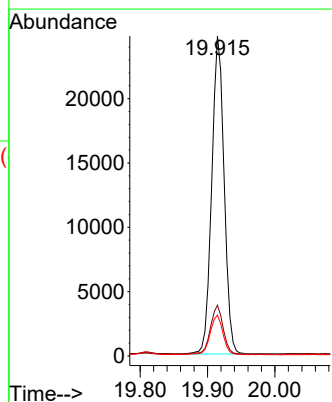
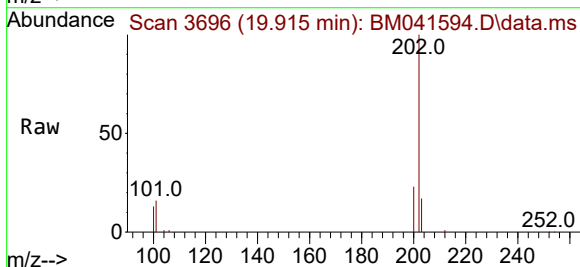
Tgt Ion:202 Resp: 31630

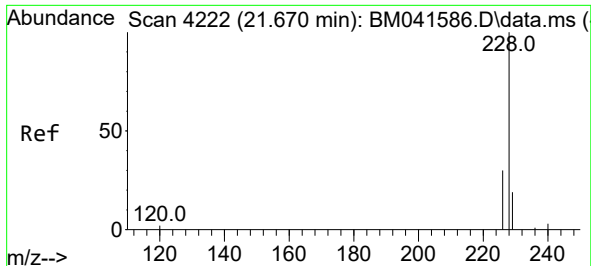
Ion Ratio Lower Upper

202 100

101 15.9 12.2 18.4

100 12.8 9.8 14.8

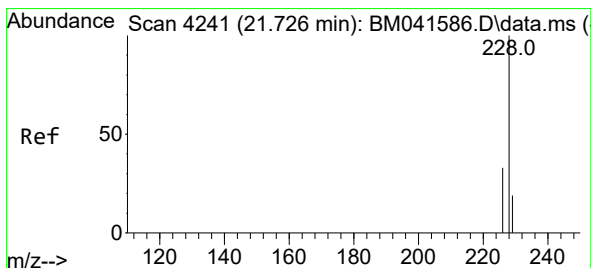
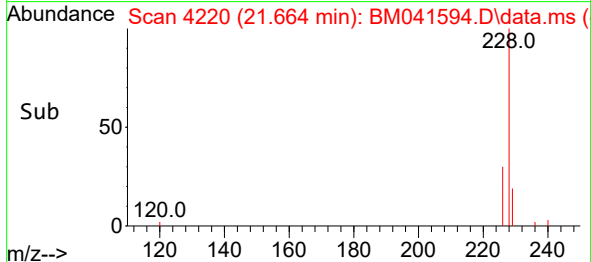
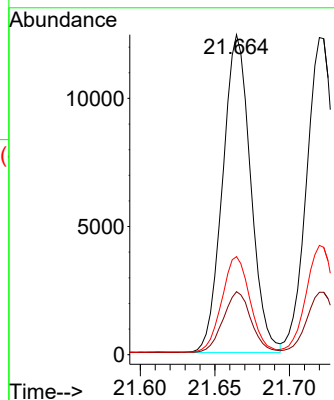
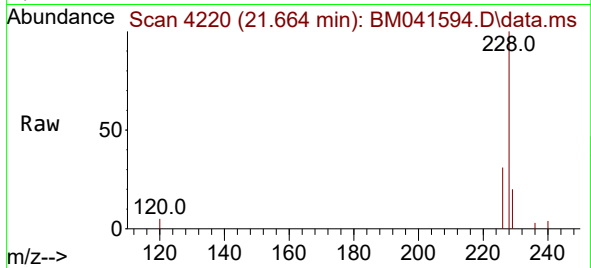




#21
Benzo(a)anthracene
Concen: 0.390 ng/ul
RT: 21.664 min Scan# 41
Delta R.T. -0.006 min
Lab File: BM041594.D
Acq: 31 Aug 2023 00:58

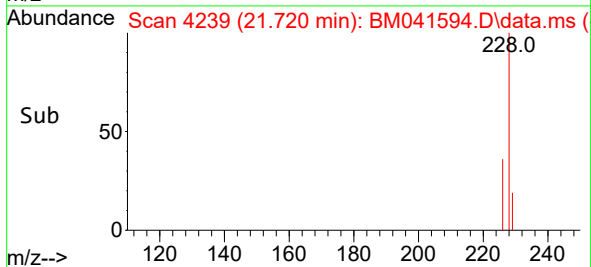
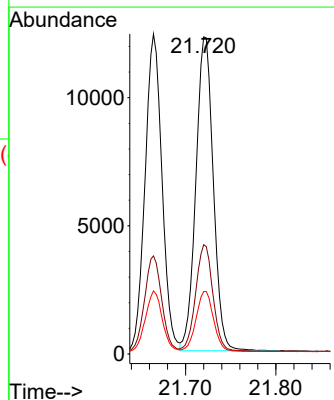
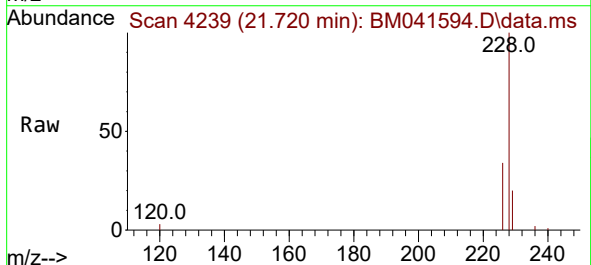
Instrument :
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DCHI9MSD

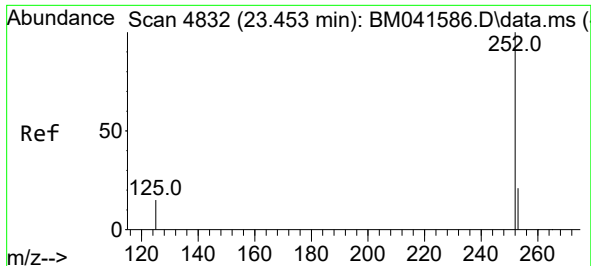
Tgt Ion:228 Resp: 16187
Ion Ratio Lower Upper
228 100
229 19.7 15.6 23.4
226 30.6 25.0 37.4



#22
Chrysene
Concen: 0.369 ng/ul
RT: 21.720 min Scan# 4239
Delta R.T. -0.009 min
Lab File: BM041594.D
Acq: 31 Aug 2023 00:58

Tgt Ion:228 Resp: 16412
Ion Ratio Lower Upper
228 100
226 34.5 26.7 40.1
229 19.7 15.9 23.9

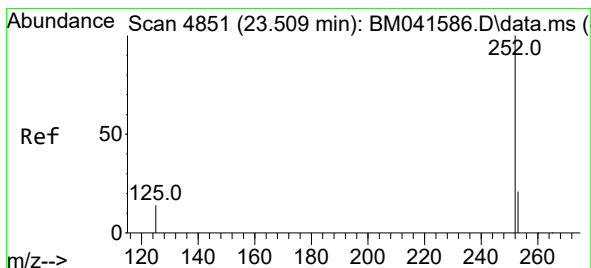
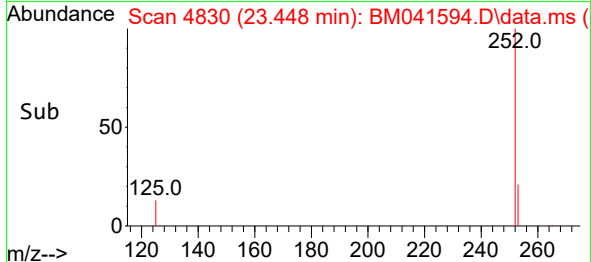
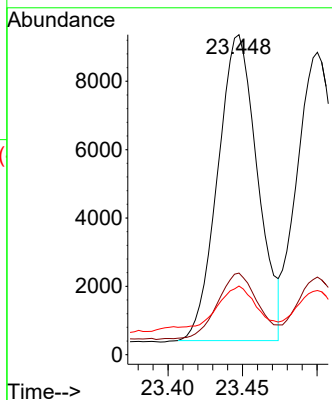
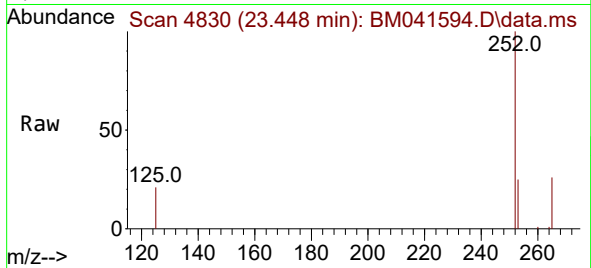




#24
Benzo(b)fluoranthene
Concen: 0.365 ng/ul
RT: 23.448 min Scan# 4830
Delta R.T. -0.011 min
Lab File: BM041594.D
Acq: 31 Aug 2023 00:58

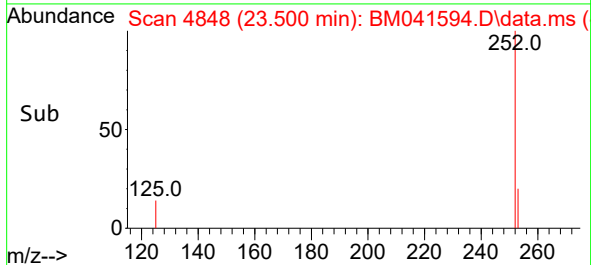
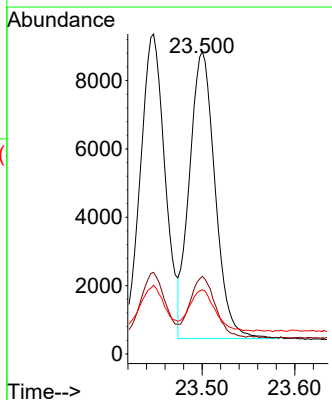
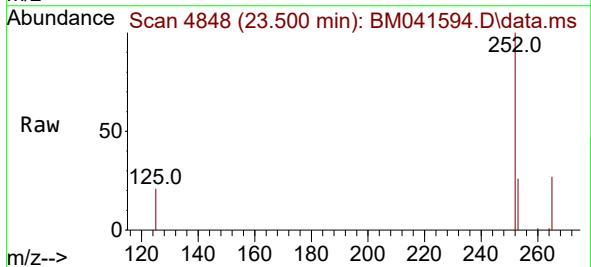
Instrument :
BNA_M
ClientSampleId :
DCHI9MSD

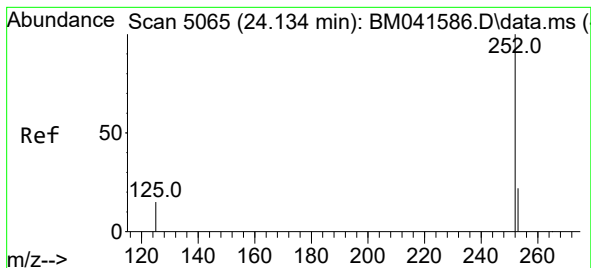
Tgt Ion:252 Resp: 16613
Ion Ratio Lower Upper
252 100
253 25.5 0.0 50.0
125 21.5 0.0 44.0



#25
Benzo(k)fluoranthene
Concen: 0.374 ng/ul
RT: 23.500 min Scan# 4848
Delta R.T. -0.011 min
Lab File: BM041594.D
Acq: 31 Aug 2023 00:58

Tgt Ion:252 Resp: 16174
Ion Ratio Lower Upper
252 100
253 25.7 20.2 30.4
125 21.2 18.2 27.4





#26

Benzo(a)pyrene

Concen: 0.353 ng/ul

RT: 24.126 min Scan# 5065

Delta R.T. -0.011 min

Lab File: BM041594.D

Acq: 31 Aug 2023 00:58

Instrument :

BNA_M

ClientSampleId :

DCHI9MSD

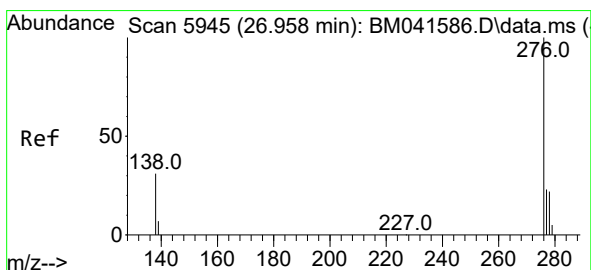
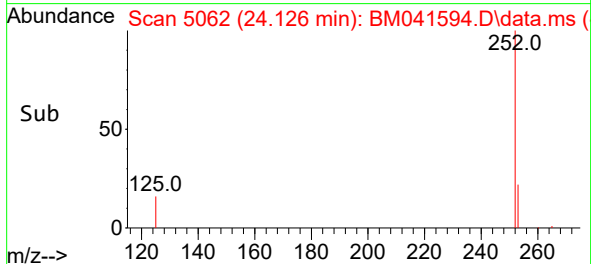
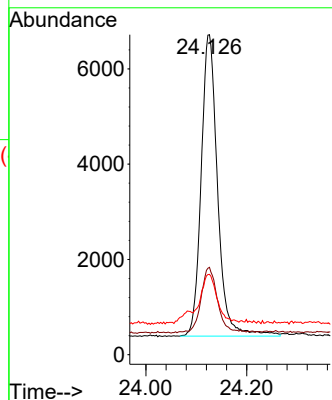
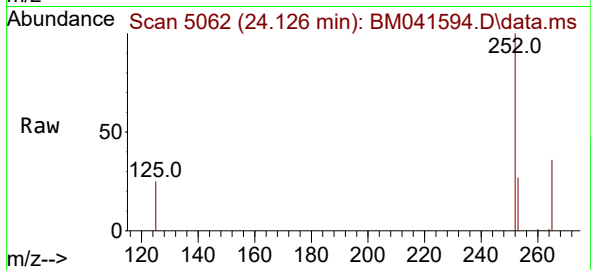
Tgt Ion:252 Resp: 14322

Ion Ratio Lower Upper

252 100

253 27.3 20.9 31.3

125 25.1 21.1 31.7



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.344 ng/ul

RT: 26.941 min Scan# 5940

Delta R.T. -0.023 min

Lab File: BM041594.D

Acq: 31 Aug 2023 00:58

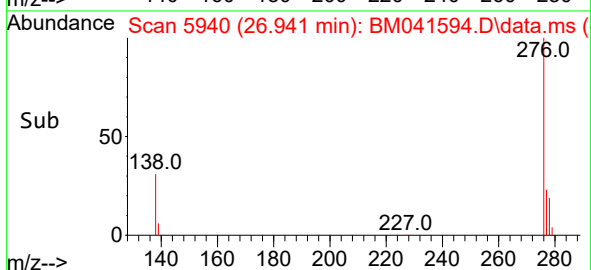
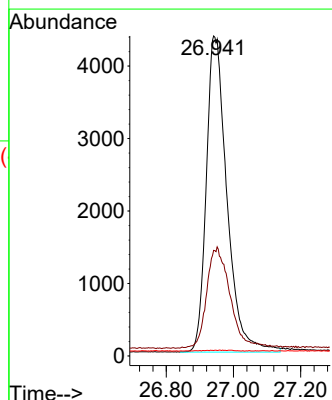
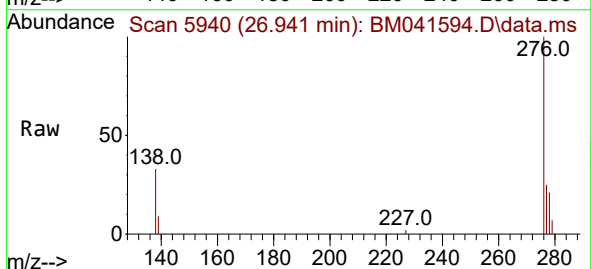
Tgt Ion:276 Resp: 18605

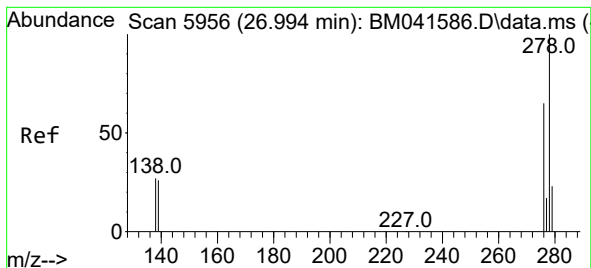
Ion Ratio Lower Upper

276 100

138 0.0 30.3 45.5#

227 0.0 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.348 ng/ul

RT: 26.981 min Scan# 5952

Delta R.T. -0.013 min

Lab File: BM041594.D

Acq: 31 Aug 2023 00:58

Instrument :

BNA_M

ClientSampleId :

DCHI9MSD

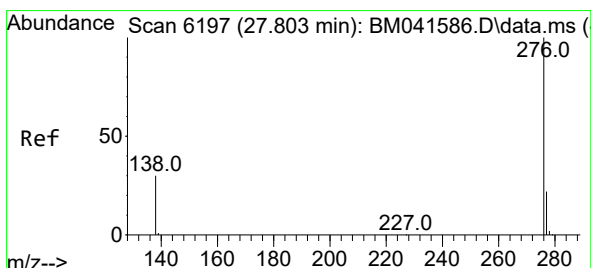
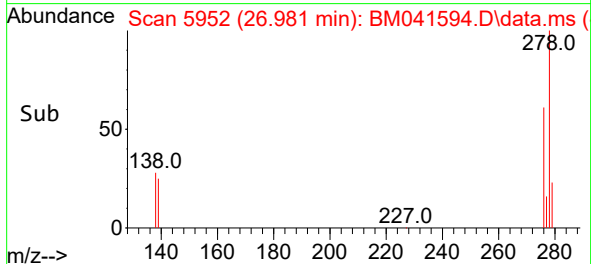
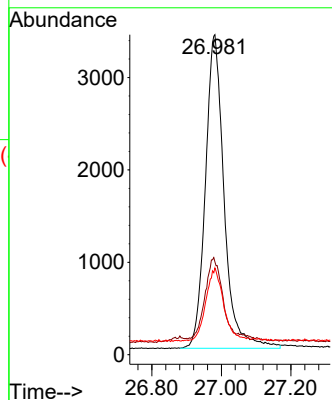
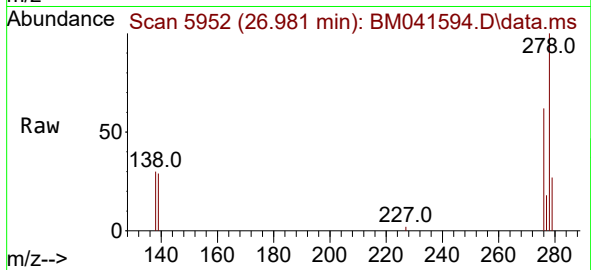
Tgt Ion:278 Resp: 12670

Ion Ratio Lower Upper

278 100

139 29.0 25.0 37.4

279 27.1 22.6 34.0



#29

Benzo(g,h,i)perylene

Concen: 0.345 ng/ul

RT: 27.790 min Scan# 6193

Delta R.T. -0.017 min

Lab File: BM041594.D

Acq: 31 Aug 2023 00:58

Tgt Ion:276 Resp: 15671

Ion Ratio Lower Upper

276 100

138 32.8 27.4 41.0

277 24.6 20.4 30.6

