

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082823\
 Data File : BM041537.D
 Acq On : 29 Aug 2023 00:35
 Operator : MA/JU
 Sample : 04134-21MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCHI7MSD

Quant Time: Aug 29 02:50:26 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

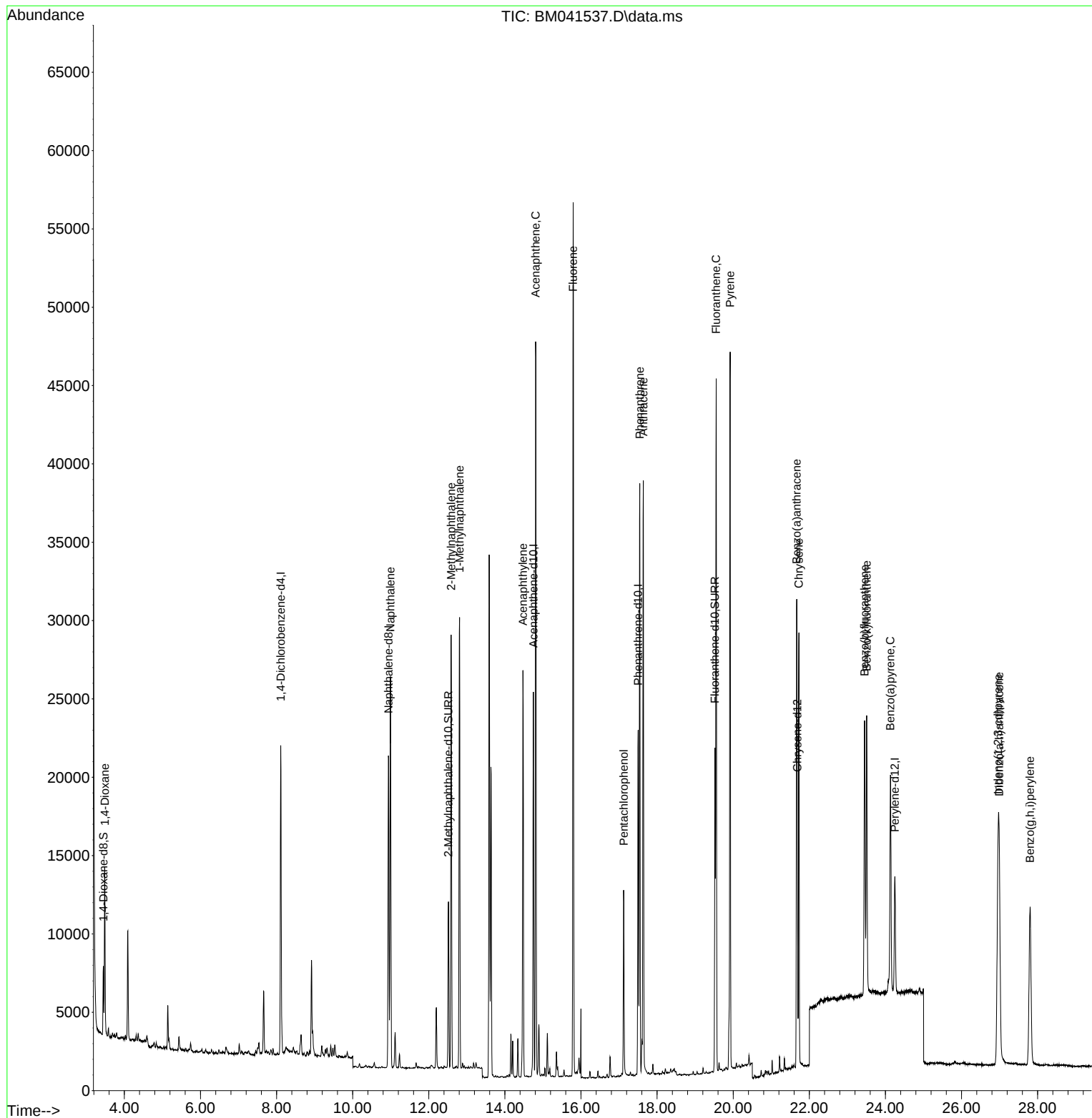
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	9651	0.400	ng/ul	0.00
4) Naphthalene-d8	10.944	136	26131	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.749	164	12636	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.502	188	23523	0.400	ng/ul	0.00
17) Chrysene-d12	21.685	240	9213	0.400	ng/ul	0.00
23) Perylene-d12	24.248	264	10882	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.448	96	2732	0.228	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.517	152	12699	0.368	ng/ul	0.00
18) Fluoranthene-d10	19.520	212	18362	0.487	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.486	88	6877	0.553	ng/ul	89
5) Naphthalene	10.994	128	33367	0.399	ng/ul	100
7) 2-Methylnaphthalene	12.588	142	18482	0.365	ng/ul	100
8) 1-Methylnaphthalene	12.808	142	19486	0.380	ng/ul	100
10) Acenaphthylene	14.476	152	28541	0.342	ng/ul	99
11) Acenaphthene	14.809	153	26404	0.451	ng/ul	100
12) Fluorene	15.795	166	32997	0.522	ng/ul	99
14) Pentachlorophenol	17.122	266	7719	0.798	ng/ul	99
15) Phenanthrene	17.544	178	37606	0.390	ng/ul	100
16) Anthracene	17.637	178	39811	0.449	ng/ul	100
19) Fluoranthene	19.552	202	35807	0.420	ng/ul	100
20) Pyrene	19.919	202	36352	0.421	ng/ul	100
21) Benzo(a)anthracene	21.667	228	24478	0.373	ng/ul	99
22) Chrysene	21.726	228	23729	0.365	ng/ul	99
24) Benzo(b)fluoranthene	23.453	252	24297	0.351	ng/ul	90
25) Benzo(k)fluoranthene	23.506	252	24489	0.362	ng/ul#	90
26) Benzo(a)pyrene	24.132	252	21855	0.349	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	26.958	276	28967	0.345	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.991	278	20865	0.345	ng/ul	94
29) Benzo(g,h,i)perylene	27.803	276	24035	0.341	ng/ul	96

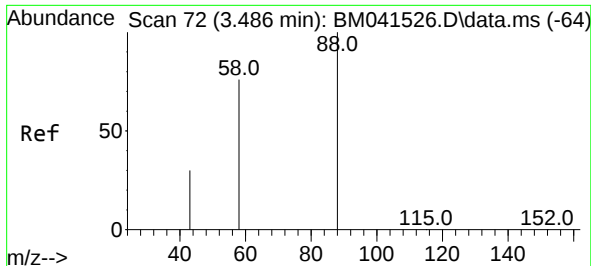
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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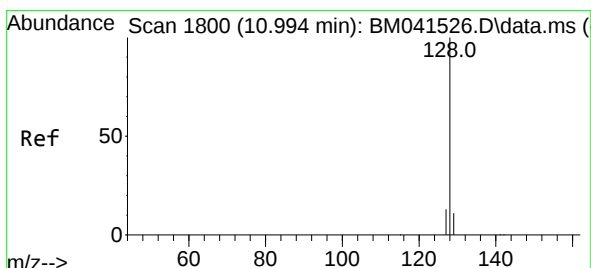
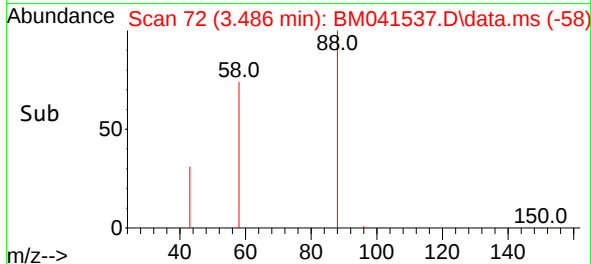
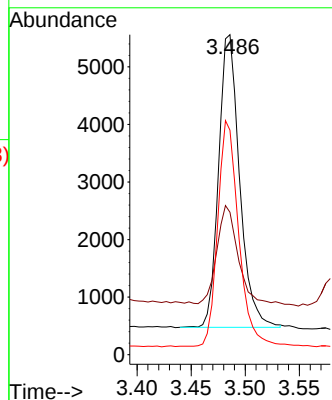
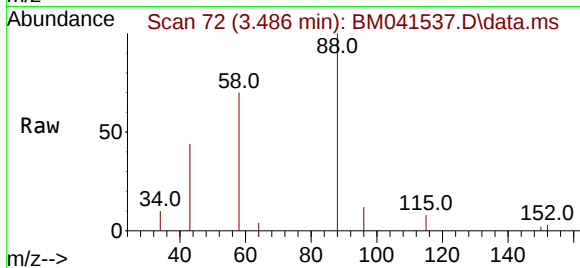




#2
1,4-Dioxane
Concen: 0.553 ng/ul
RT: 3.486 min Scan# 72
Delta R.T. -0.000 min
Lab File: BM041537.D
Acq: 29 Aug 2023 00:35

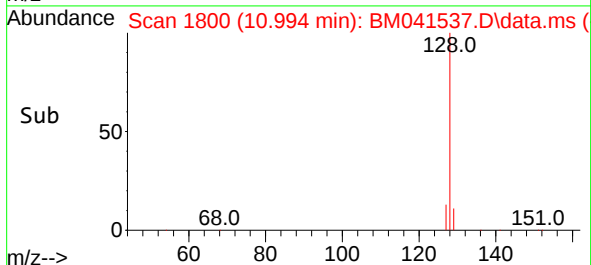
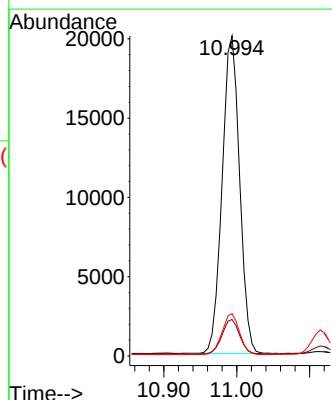
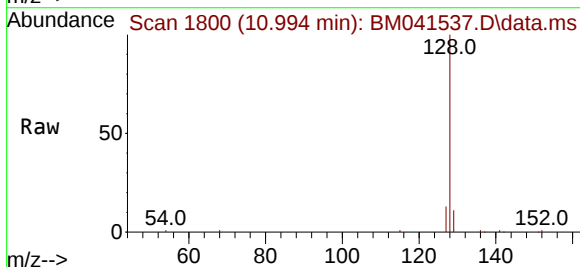
Instrument :
BNA_M
ClientSampleId :
DCHI7MSD

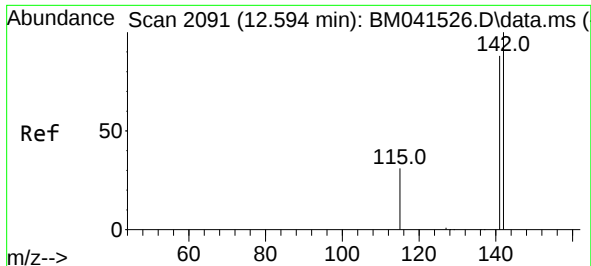
Tgt Ion: 88 Resp: 6877
Ion Ratio Lower Upper
88 100
43 44.5 30.6 46.0
58 70.2 49.3 73.9



#5
Naphthalene
Concen: 0.399 ng/ul
RT: 10.994 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BM041537.D
Acq: 29 Aug 2023 00:35

Tgt Ion: 128 Resp: 33367
Ion Ratio Lower Upper
128 100
129 11.4 8.9 13.3
127 13.2 10.6 15.8

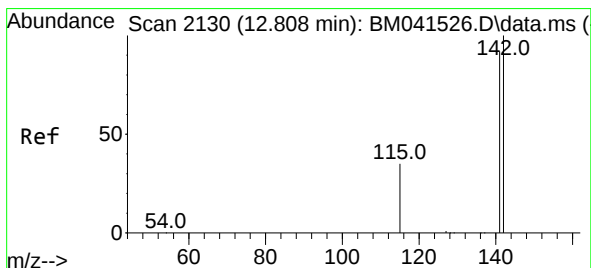
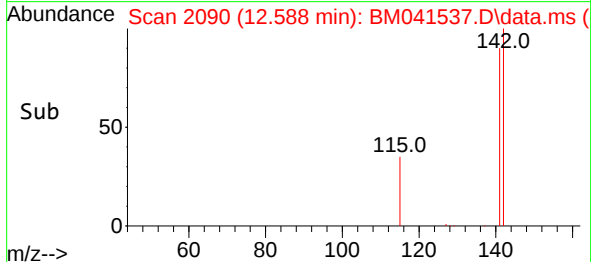
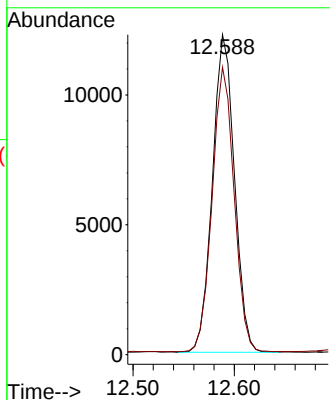
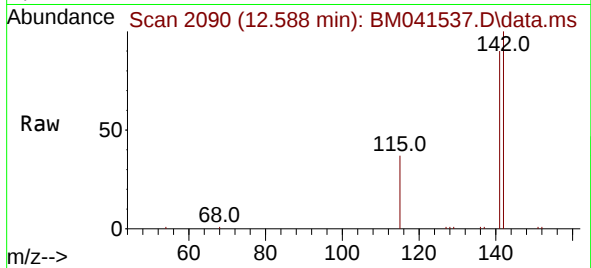




#7
2-Methylnaphthalene
Concen: 0.365 ng/ul
RT: 12.588 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BM041537.D
Acq: 29 Aug 2023 00:35

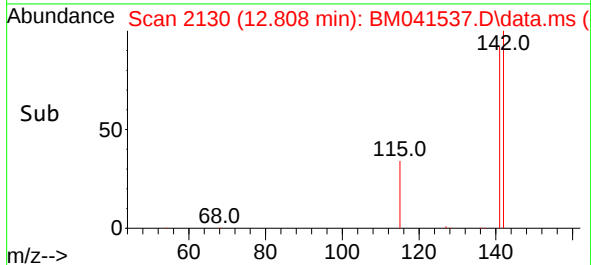
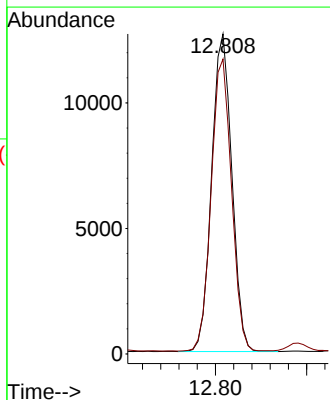
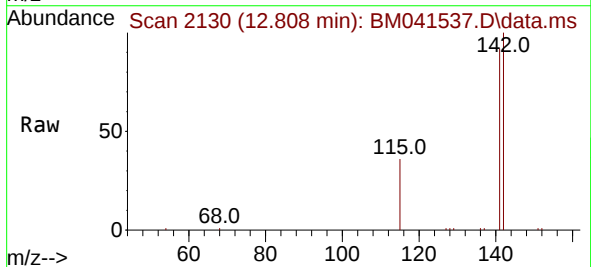
Instrument :
BNA_M
ClientSampleId :
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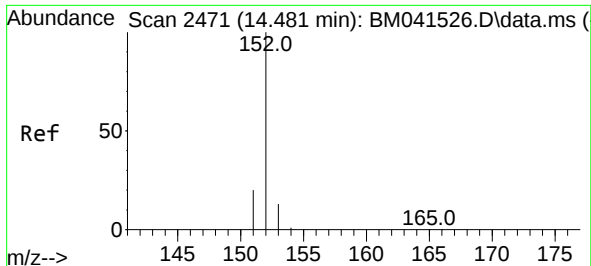
Tgt Ion:142 Resp: 18482
Ion Ratio Lower Upper
142 100
141 89.3 71.0 106.6



#8
1-Methylnaphthalene
Concen: 0.380 ng/ul
RT: 12.808 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BM041537.D
Acq: 29 Aug 2023 00:35

Tgt Ion:142 Resp: 19486
Ion Ratio Lower Upper
142 100
141 92.4 73.9 110.9

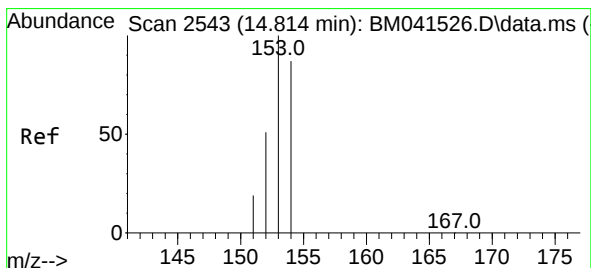
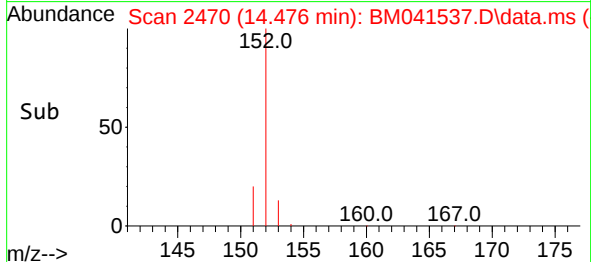
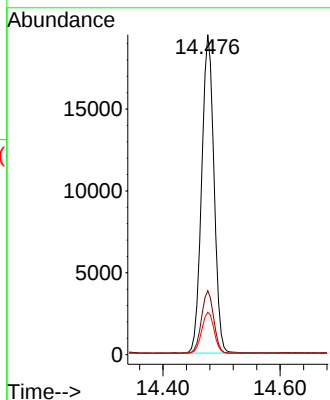
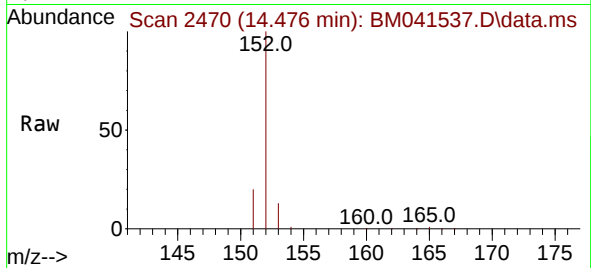




#10
Acenaphthylene
Concen: 0.342 ng/ul
RT: 14.476 min Scan# 2470
Delta R.T. -0.005 min
Lab File: BM041537.D
Acq: 29 Aug 2023 00:35

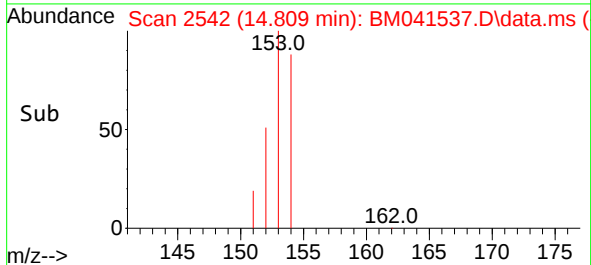
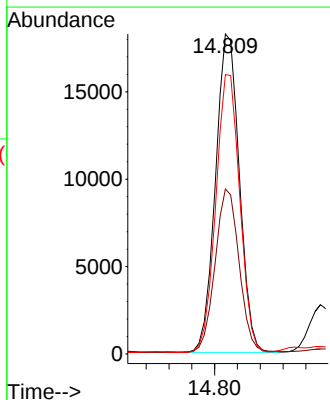
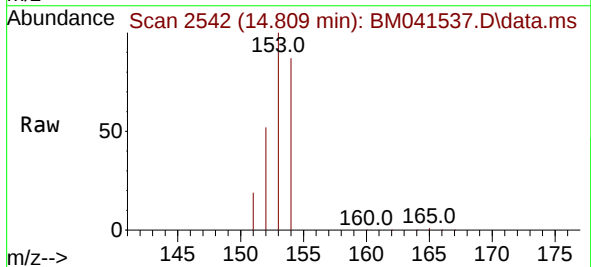
Instrument :
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ClientSampleId :
DCHI7MSD

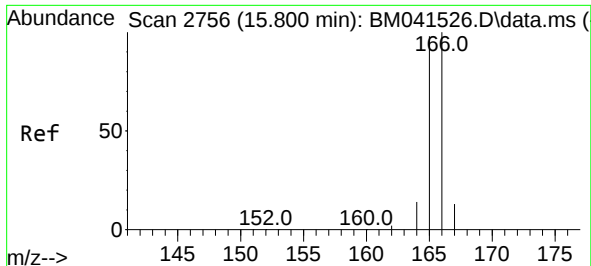
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.3	10.5	15.7



#11
Acenaphthene
Concen: 0.451 ng/ul
RT: 14.809 min Scan# 2542
Delta R.T. -0.005 min
Lab File: BM041537.D
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Tgt Ion	Ratio	Lower	Upper
153	100		
152	51.5	41.1	61.7
154	87.3	69.4	104.0

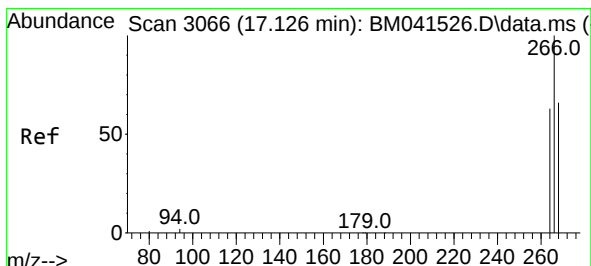
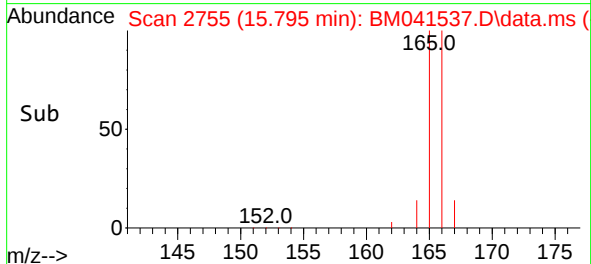
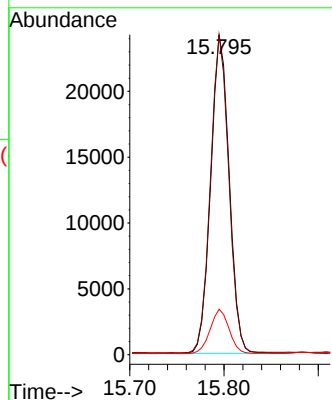
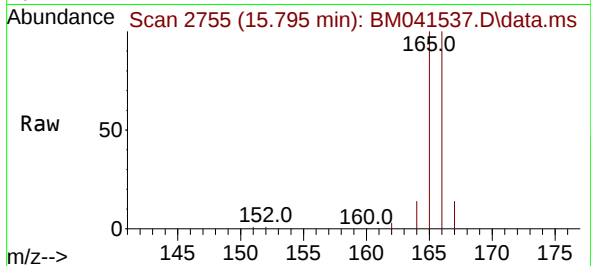




#12
 Fluorene
 Concen: 0.522 ng/ul
 RT: 15.795 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BM041537.D
 Acq: 29 Aug 2023 00:35

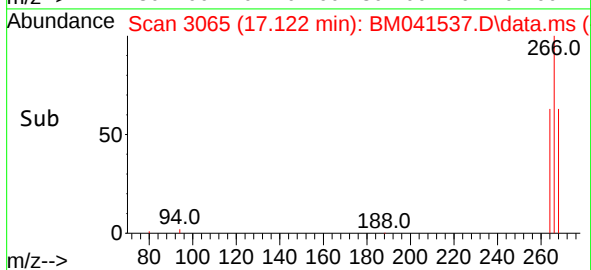
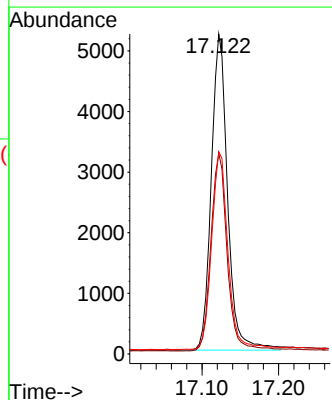
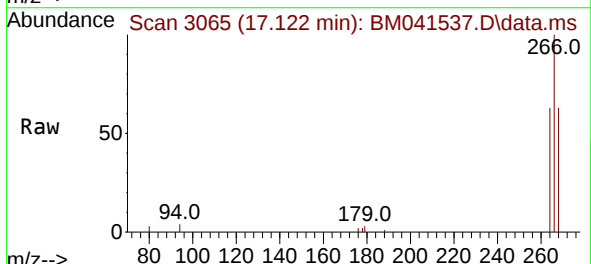
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 ClientSampleId :
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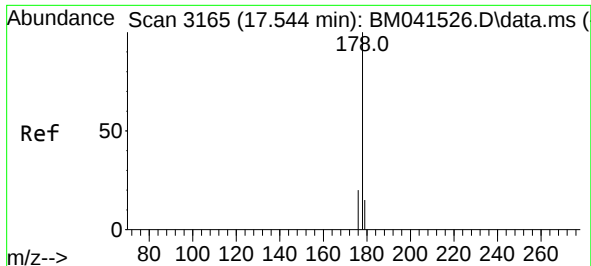
Tgt Ion:166 Resp: 32997
 Ion Ratio Lower Upper
 166 100
 165 99.8 79.2 118.8
 167 14.2 10.8 16.2



#14
 Pentachlorophenol
 Concen: 0.798 ng/ul
 RT: 17.122 min Scan# 3065
 Delta R.T. -0.004 min
 Lab File: BM041537.D
 Acq: 29 Aug 2023 00:35

Tgt Ion:266 Resp: 7719
 Ion Ratio Lower Upper
 266 100
 264 62.6 50.0 75.0
 268 63.2 51.4 77.0

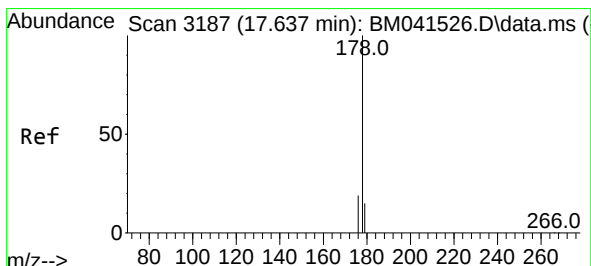
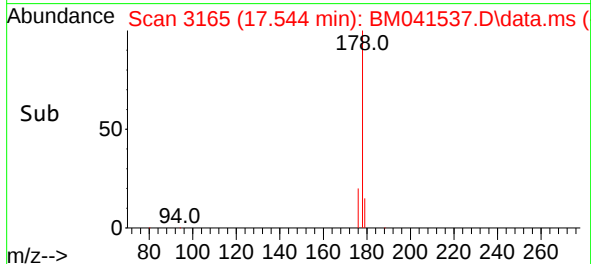
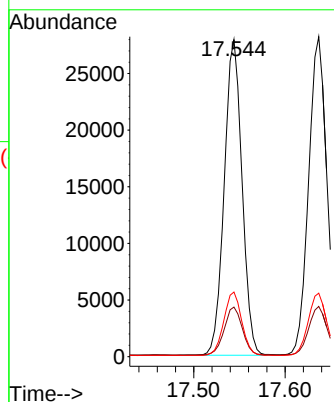
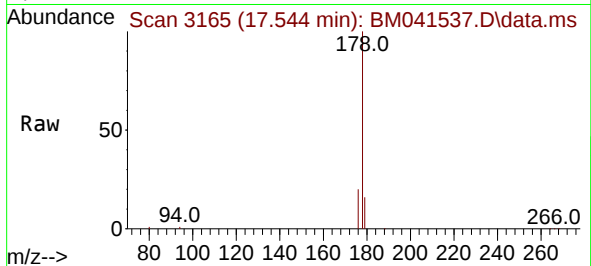




#15
Phenanthrene
Concen: 0.390 ng/u1
RT: 17.544 min Scan# 3165
Delta R.T. -0.000 min
Lab File: BM041537.D
Acq: 29 Aug 2023 00:35

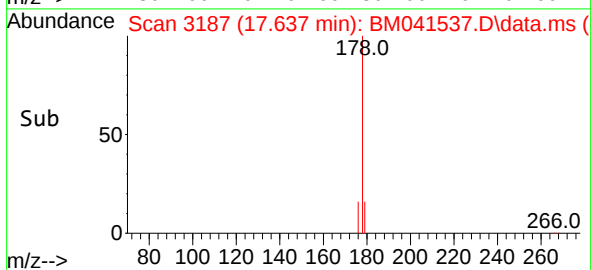
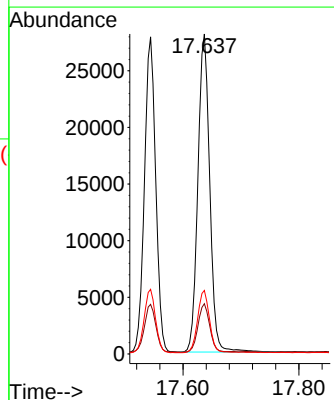
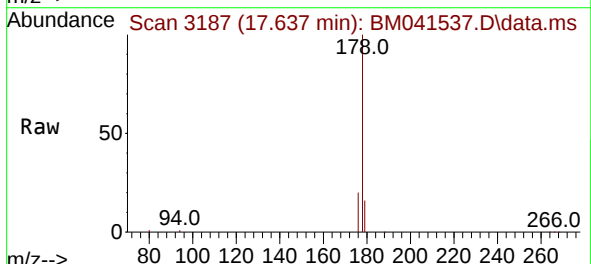
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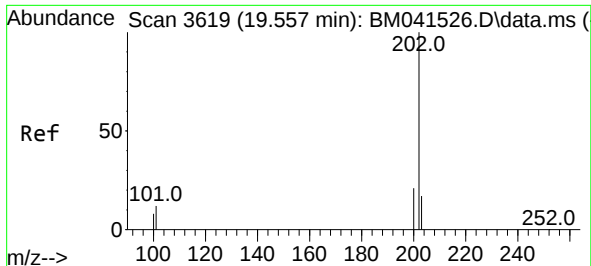
Tgt Ion:178 Resp: 37606
Ion Ratio Lower Upper
178 100
179 15.6 12.6 18.8
176 20.4 16.3 24.5



#16
Anthracene
Concen: 0.449 ng/u1
RT: 17.637 min Scan# 3187
Delta R.T. -0.000 min
Lab File: BM041537.D
Acq: 29 Aug 2023 00:35

Tgt Ion:178 Resp: 39811
Ion Ratio Lower Upper
178 100
179 15.7 12.6 19.0
176 19.8 15.9 23.9





#19

Fluoranthene

Concen: 0.420 ng/u1

RT: 19.552 min Scan# 3619

Delta R.T. -0.005 min

Lab File: BM041537.D

Acq: 29 Aug 2023 00:35

Instrument :

BNA_M

ClientSampleId :

DCHI7MSD

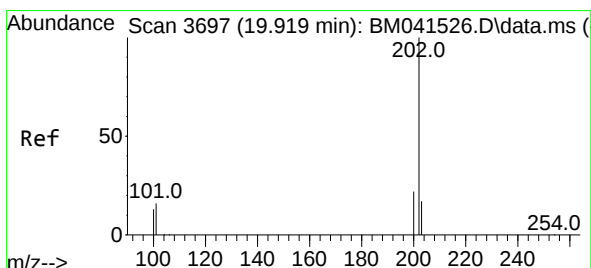
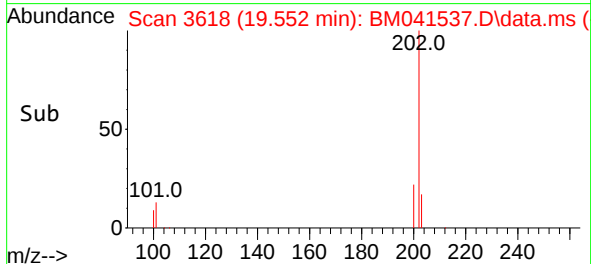
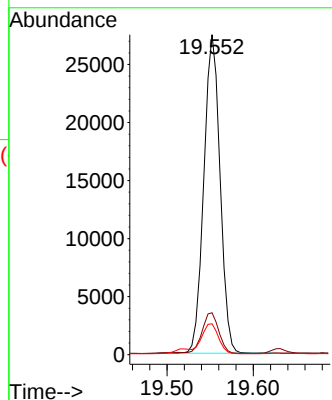
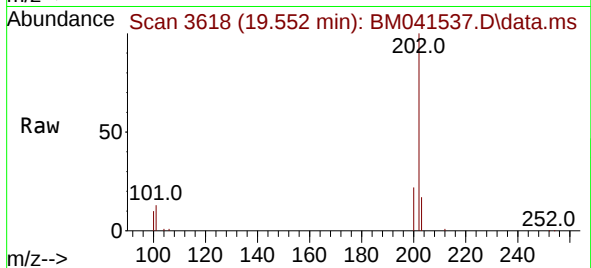
Tgt Ion:202 Resp: 35807

Ion Ratio Lower Upper

202 100

101 13.1 10.5 15.7

100 9.6 7.8 11.6



#20

Pyrene

Concen: 0.421 ng/u1

RT: 19.919 min Scan# 3697

Delta R.T. -0.005 min

Lab File: BM041537.D

Acq: 29 Aug 2023 00:35

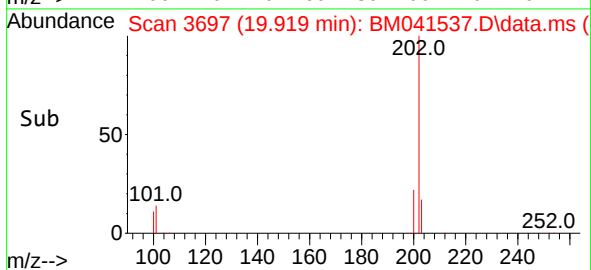
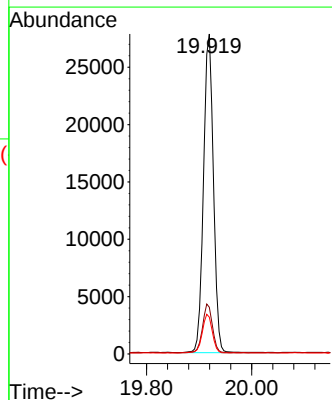
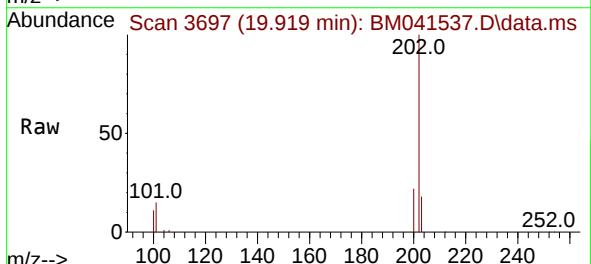
Tgt Ion:202 Resp: 36352

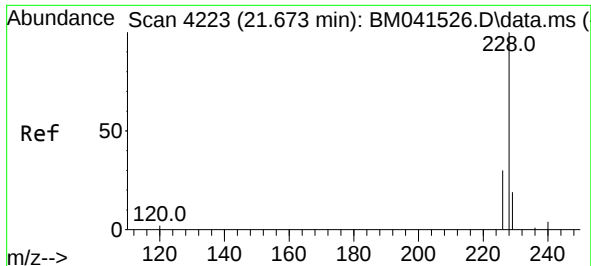
Ion Ratio Lower Upper

202 100

101 14.6 11.6 17.4

100 11.5 9.1 13.7

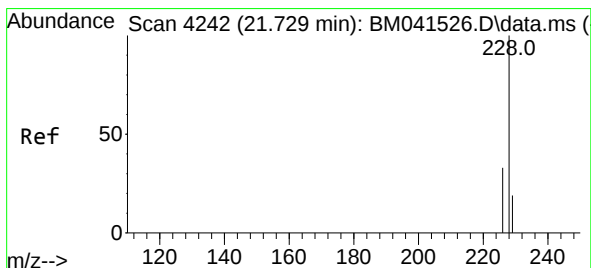
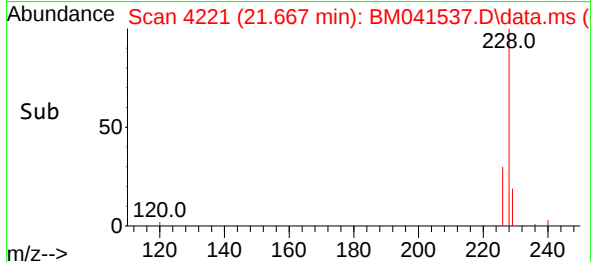
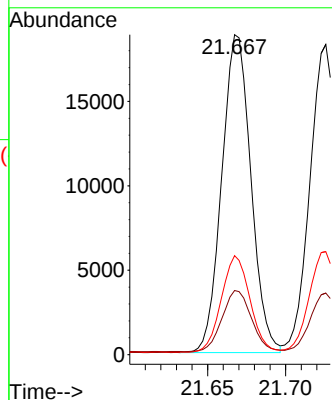
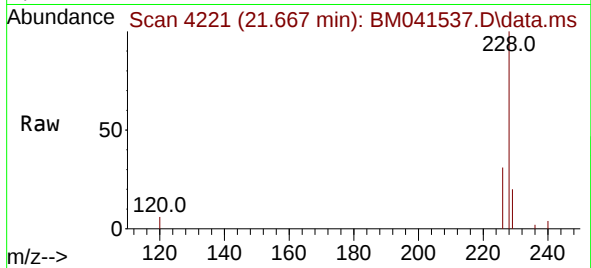




#21
Benzo(a)anthracene
Concen: 0.373 ng/ul
RT: 21.667 min Scan# 41
Delta R.T. -0.009 min
Lab File: BM041537.D
Acq: 29 Aug 2023 00:35

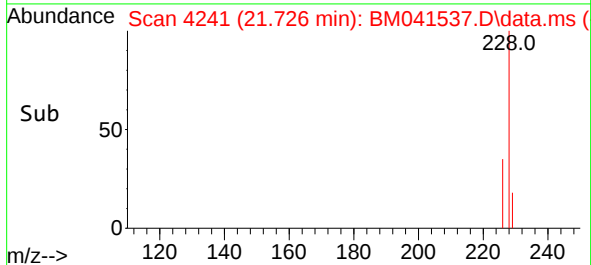
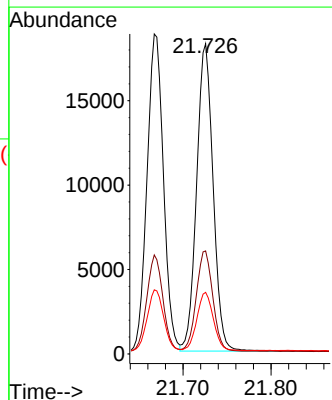
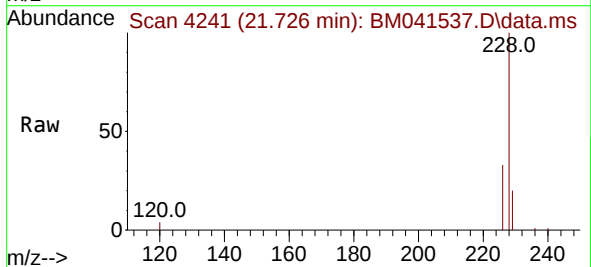
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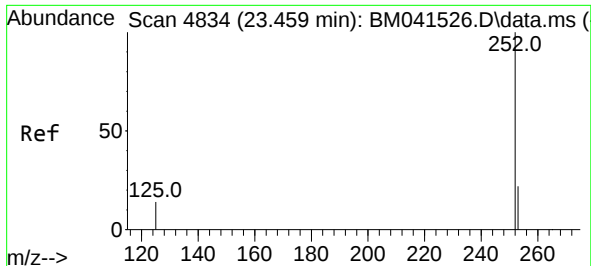
Tgt Ion:228	Resp:	24478
Ion Ratio	Lower	Upper
228	100	
229	20.0	15.8 23.6
226	31.0	24.0 36.0



#22
Chrysene
Concen: 0.365 ng/ul
RT: 21.726 min Scan# 4241
Delta R.T. -0.006 min
Lab File: BM041537.D
Acq: 29 Aug 2023 00:35

Tgt Ion:228	Resp:	23729
Ion Ratio	Lower	Upper
228	100	
226	33.2	26.3 39.5
229	19.8	15.4 23.2

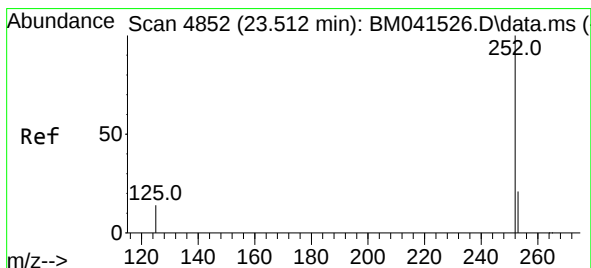
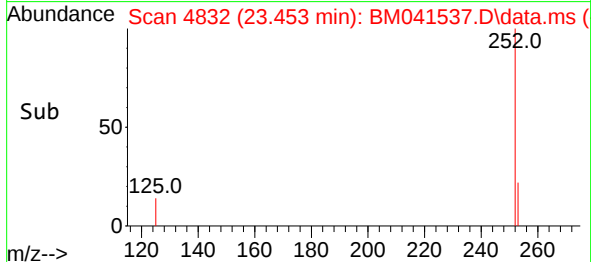
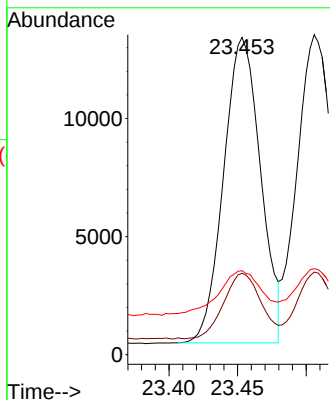
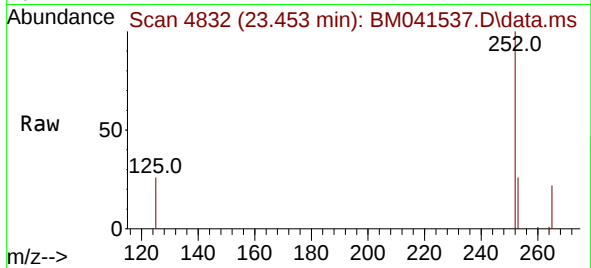




#24
Benzo(b)fluoranthene
Concen: 0.351 ng/ul
RT: 23.453 min Scan# 4832
Delta R.T. -0.009 min
Lab File: BM041537.D
Acq: 29 Aug 2023 00:35

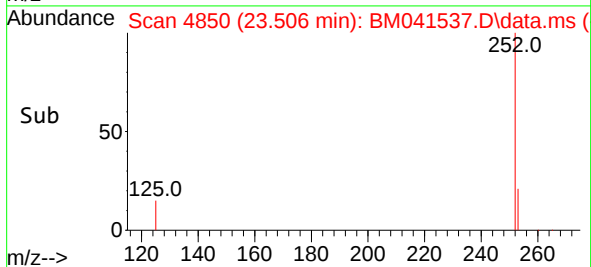
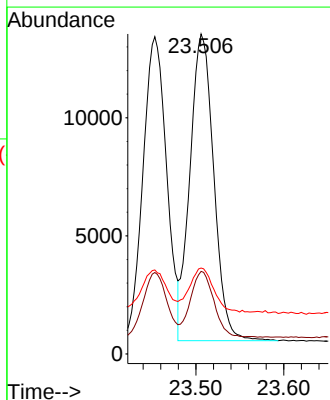
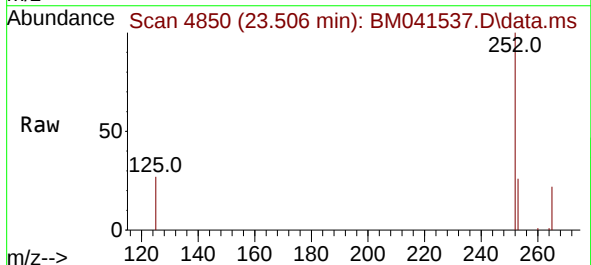
Instrument :
BNA_M
ClientSampleId :
DCHI7MSD

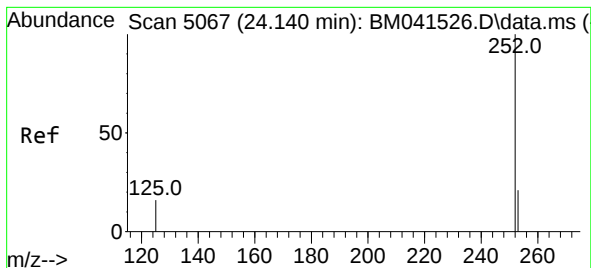
Tgt Ion:252 Resp: 24297
Ion Ratio Lower Upper
252 100
253 25.7 0.0 47.0
125 26.5 0.0 37.2



#25
Benzo(k)fluoranthene
Concen: 0.362 ng/ul
RT: 23.506 min Scan# 4850
Delta R.T. -0.012 min
Lab File: BM041537.D
Acq: 29 Aug 2023 00:35

Tgt Ion:252 Resp: 24489
Ion Ratio Lower Upper
252 100
253 25.8 19.3 28.9
125 26.8 15.0 22.4#





#26

Benzo(a)pyrene

Concen: 0.349 ng/ul

RT: 24.132 min Scan# 5064

Delta R.T. -0.012 min

Lab File: BM041537.D

Acq: 29 Aug 2023 00:35

Instrument :

BNA_M

ClientSampleId :

DCHI7MSD

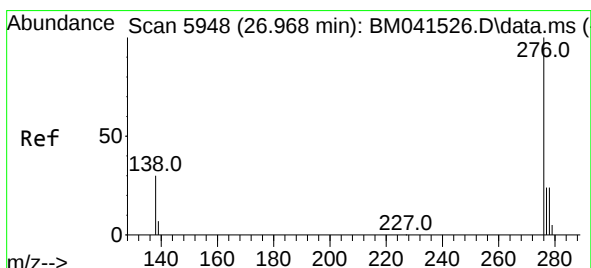
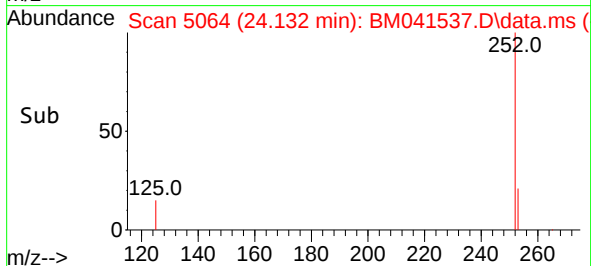
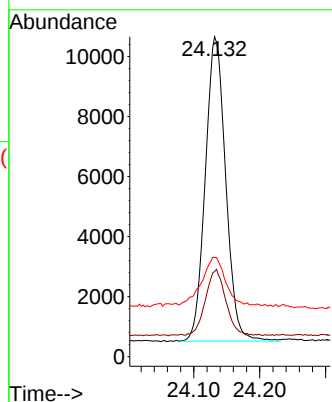
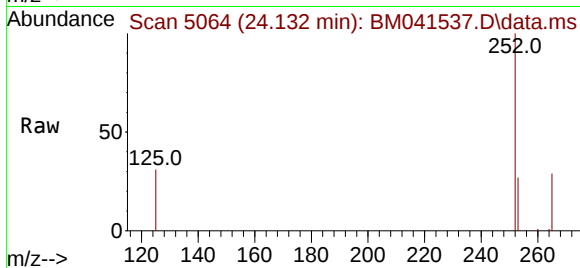
Tgt Ion:252 Resp: 21855

Ion Ratio Lower Upper

252 100

253 26.6 20.0 30.0

125 31.0 17.1 25.7#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.345 ng/ul

RT: 26.958 min Scan# 5945

Delta R.T. -0.013 min

Lab File: BM041537.D

Acq: 29 Aug 2023 00:35

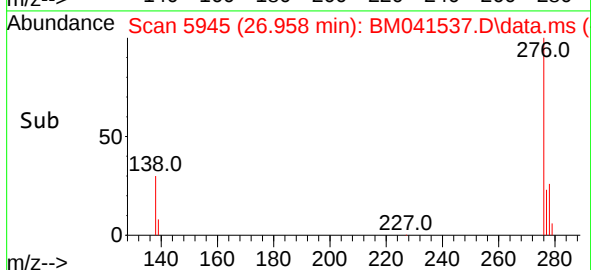
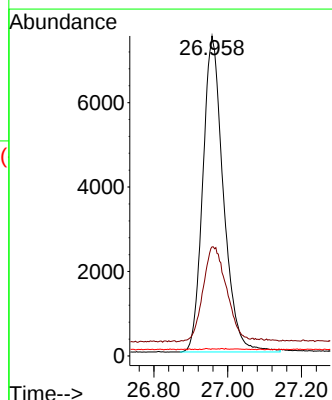
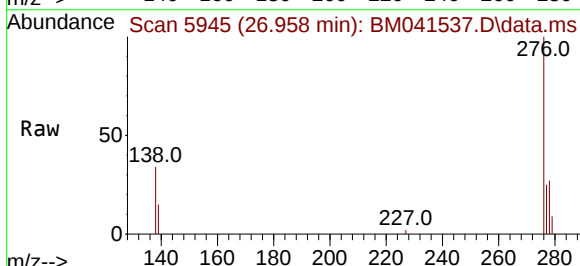
Tgt Ion:276 Resp: 28967

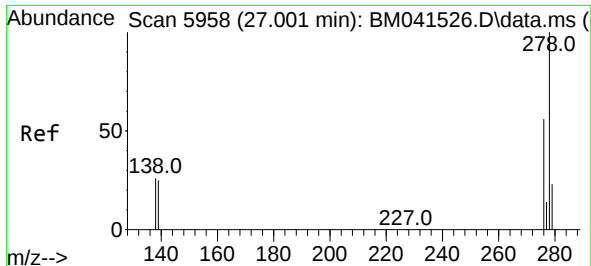
Ion Ratio Lower Upper

276 100

138 34.6 27.3 40.9

227 0.0 0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.345 ng/ul

RT: 26.991 min Scan# 5958

Delta R.T. -0.017 min

Lab File: BM041537.D

Acq: 29 Aug 2023 00:35

Instrument :

BNA_M

ClientSampleId :

DCHI7MSD

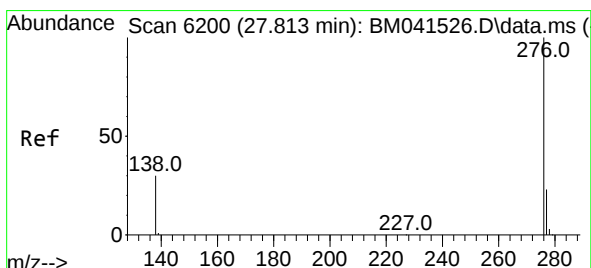
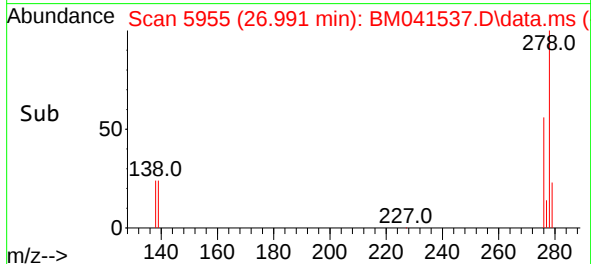
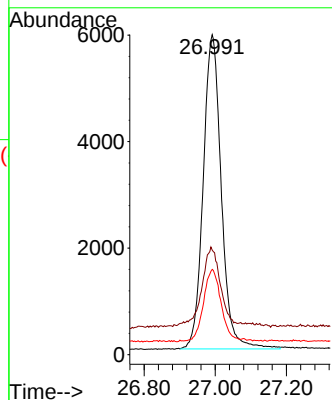
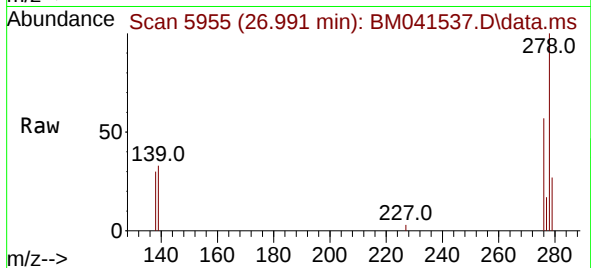
Tgt Ion:278 Resp: 20865

Ion Ratio Lower Upper

278 100

139 32.7 22.2 33.2

279 26.7 20.4 30.6



#29

Benzo(g,h,i)perylene

Concen: 0.341 ng/ul

RT: 27.803 min Scan# 6197

Delta R.T. -0.013 min

Lab File: BM041537.D

Acq: 29 Aug 2023 00:35

Tgt Ion:276 Resp: 24035

Ion Ratio Lower Upper

276 100

138 35.0 25.9 38.9

277 25.9 19.1 28.7

