

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
 Data File : BM040514.D
 Acq On : 01 Jul 2023 22:19
 Operator : MA/JU
 Sample : 03242-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFZ8

Quant Time: Jul 02 05:15:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 01 03:00:05 2023
 Response via : Initial Calibration

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

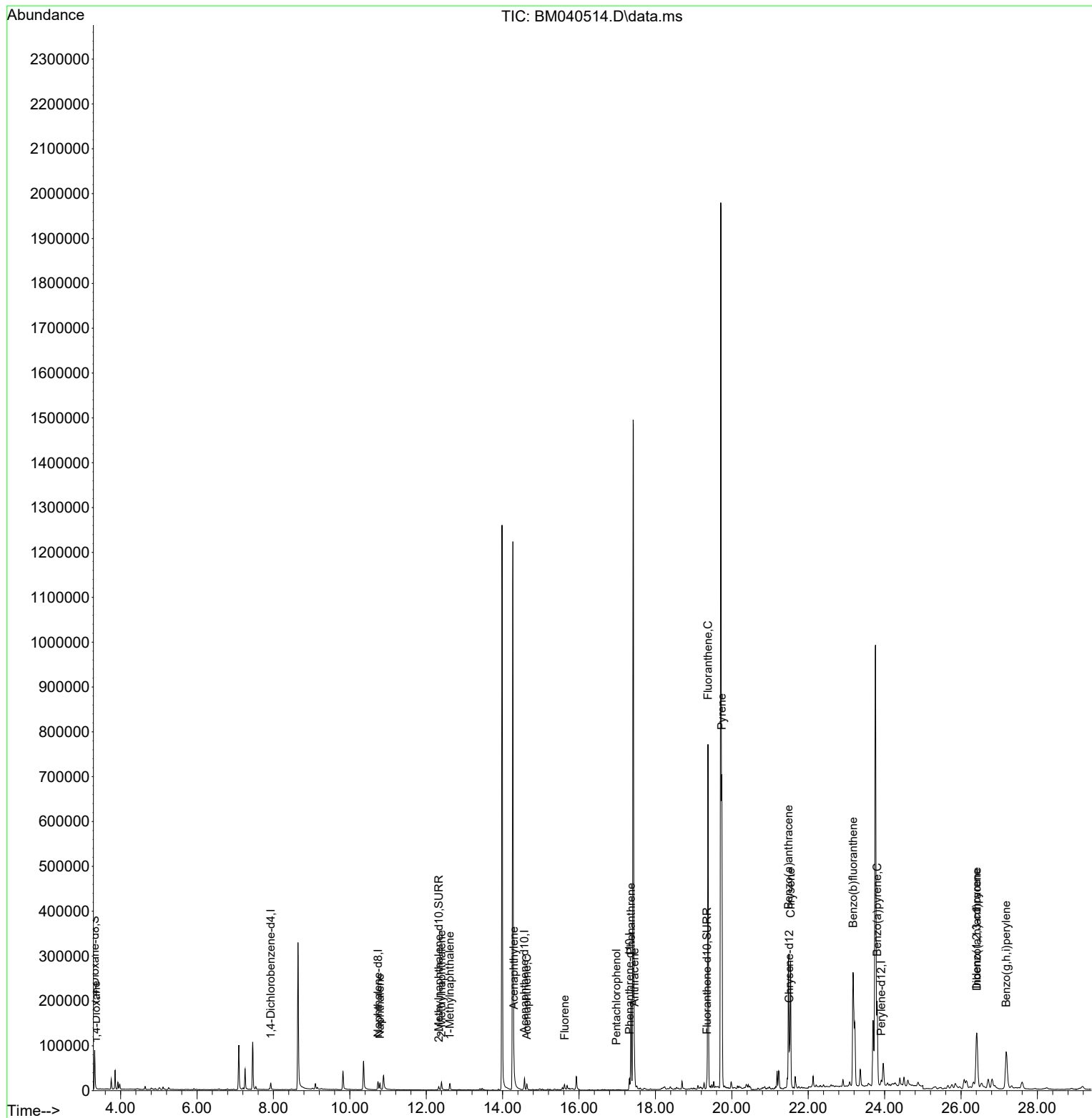
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.932	152	7596	0.400	ng/ul	0.00
4) Naphthalene-d8	10.740	136	27356	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.573	164	14544	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.320	188	30239	0.400	ng/ul	0.00
17) Chrysene-d12	21.500	240	18937	0.400	ng/ul	0.00
23) Perylene-d12	23.912	264	16977	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.321	96	51654	4.329	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.329	152	11361	0.296	ng/ul	0.00
18) Fluoranthene-d10	19.347	212	21434	0.353	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.359	88	409	0.034	ng/ul#	1
5) Naphthalene	10.789	128	20564	0.273	ng/ul	97
7) 2-Methylnaphthalene	12.400	142	14382	0.325	ng/ul	99
8) 1-Methylnaphthalene	12.620	142	10442	0.236	ng/ul	99
10) Acenaphthylene	14.295	152	31372	0.483	ng/ul	99
11) Acenaphthene	14.633	153	7968	0.145	ng/ul	98
12) Fluorene	15.623	166	7718	0.132	ng/ul#	98
14) Pentachlorophenol	16.978	266	138	0.024	ng/ul	91
15) Phenanthrene	17.362	178	222504	2.369	ng/ul	98
16) Anthracene	17.451	178	36382	0.461	ng/ul	99
19) Fluoranthene	19.375	202	658996	8.192	ng/ul	96
20) Pyrene	19.737	202	534813	6.201	ng/ul	99
21) Benzo(a)anthracene	21.483	228	259849	4.057	ng/ul	98
22) Chrysene	21.538	228	295703	4.047	ng/ul	97
24) Benzo(b)fluoranthene	23.175	252	459148	6.988	ng/ul	89
26) Benzo(a)pyrene	23.804	252	265414	4.485	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.410	276	230830	2.801	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.417	278	56309	0.873	ng/ul	96
29) Benzo(g,h,i)perylene	27.182	276	205483	2.844	ng/ul	95

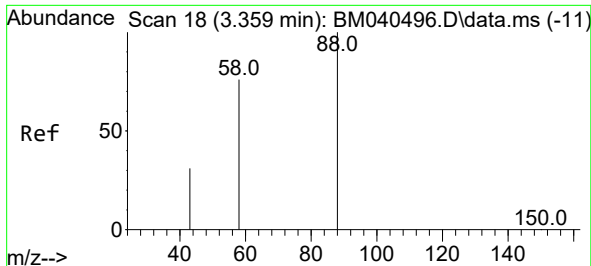
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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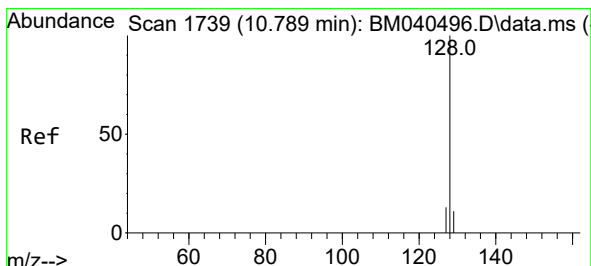
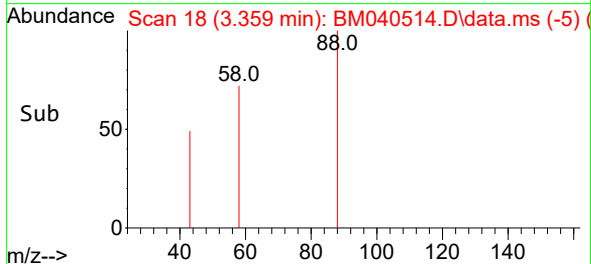
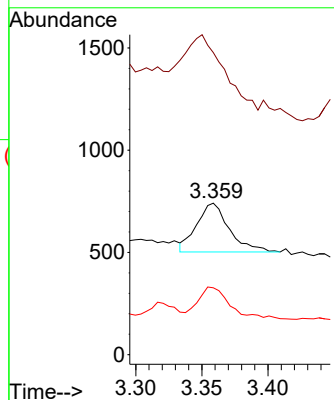
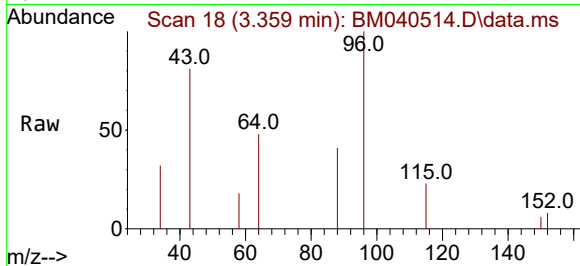




#2
1,4-Dioxane
Concen: 0.034 ng/ul
RT: 3.359 min Scan# 11
Delta R.T. -0.004 min
Lab File: BM040514.D
Acq: 01 Jul 2023 22:19

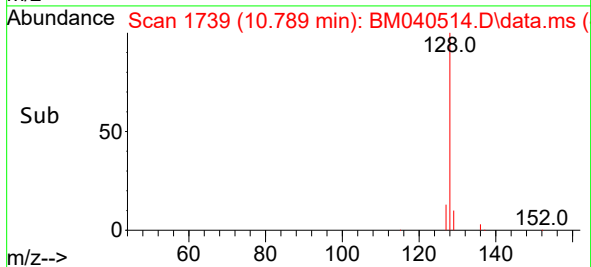
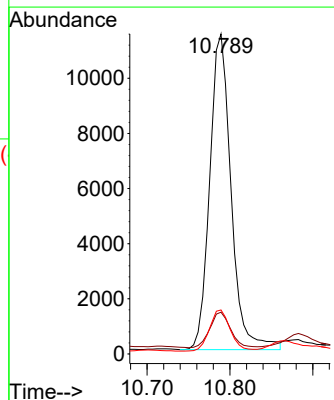
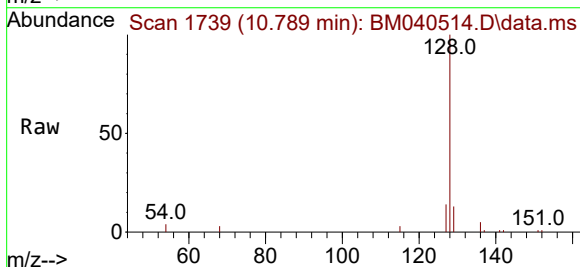
Instrument :
BNA_M
ClientSampleId :
DCFZ8

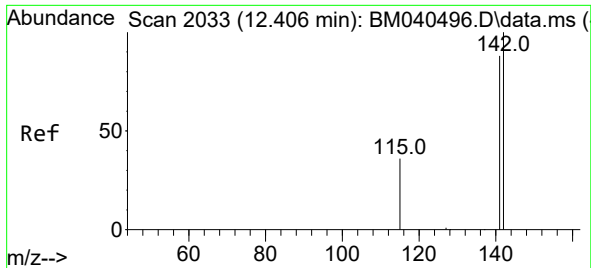
Tgt Ion: 88 Resp: 409
Ion Ratio Lower Upper
88 100
43 199.3 36.1 54.1#
58 44.1 49.8 74.8#



#5
Naphthalene
Concen: 0.273 ng/ul
RT: 10.789 min Scan# 1739
Delta R.T. -0.005 min
Lab File: BM040514.D
Acq: 01 Jul 2023 22:19

Tgt Ion: 128 Resp: 20564
Ion Ratio Lower Upper
128 100
129 13.1 9.2 13.8
127 13.7 10.6 15.8

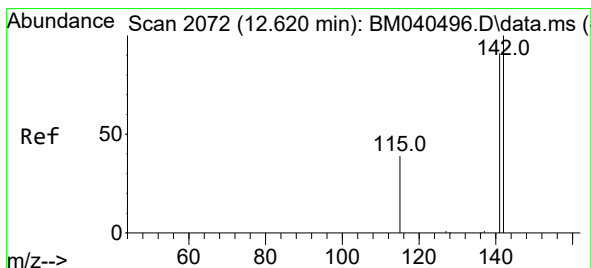
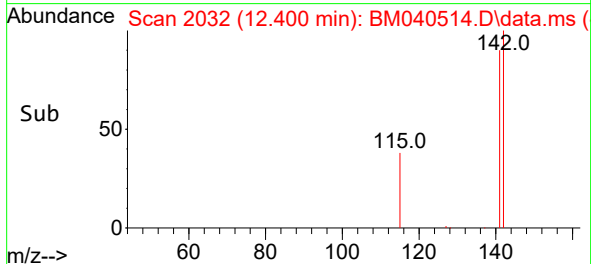
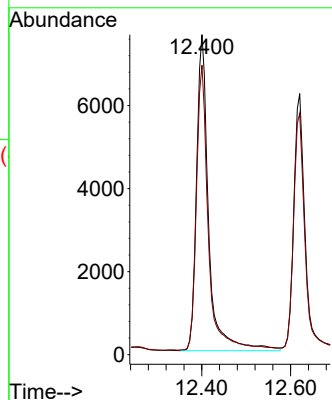
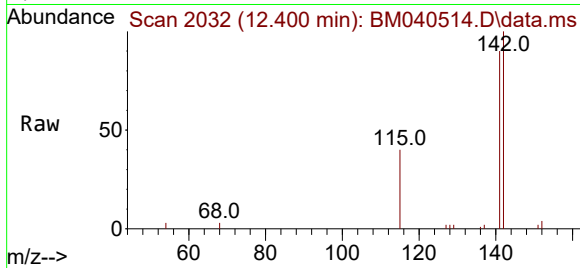




#7
2-Methylnaphthalene
Concen: 0.325 ng/ul
RT: 12.400 min Scan# 2032
Delta R.T. -0.005 min
Lab File: BM040514.D
Acq: 01 Jul 2023 22:19

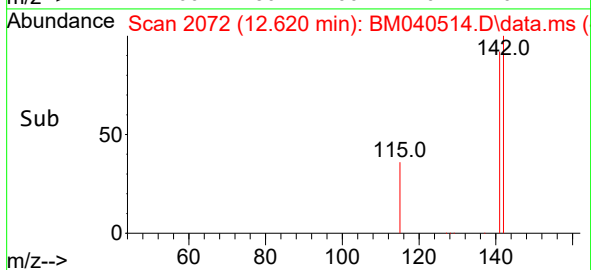
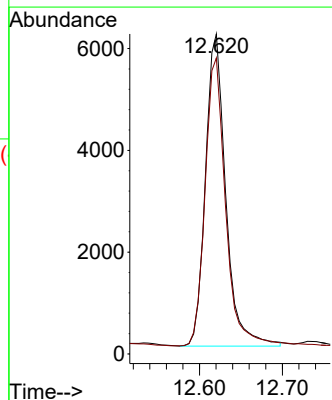
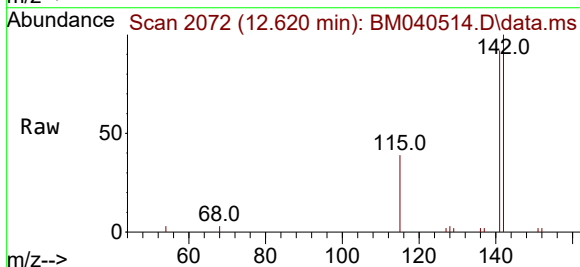
Instrument :
BNA_M
ClientSampleId :
DCFZ8

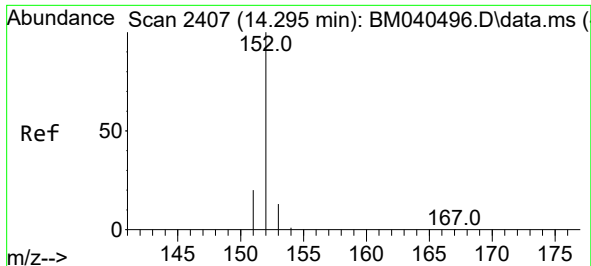
Tgt Ion:142 Resp: 14382
Ion Ratio Lower Upper
142 100
141 89.0 71.9 107.9



#8
1-Methylnaphthalene
Concen: 0.236 ng/ul
RT: 12.620 min Scan# 2072
Delta R.T. -0.005 min
Lab File: BM040514.D
Acq: 01 Jul 2023 22:19

Tgt Ion:142 Resp: 10442
Ion Ratio Lower Upper
142 100
141 92.8 73.7 110.5

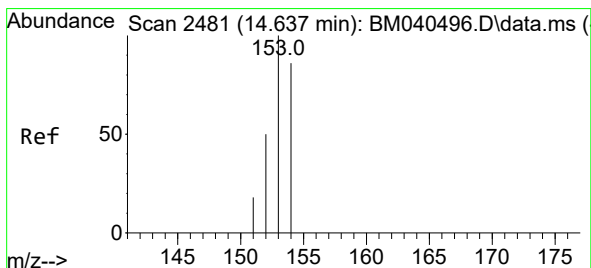
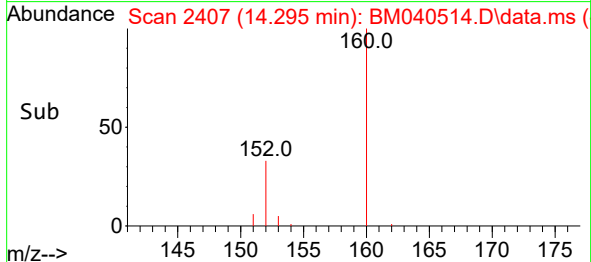
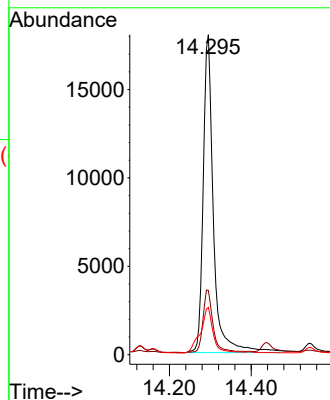
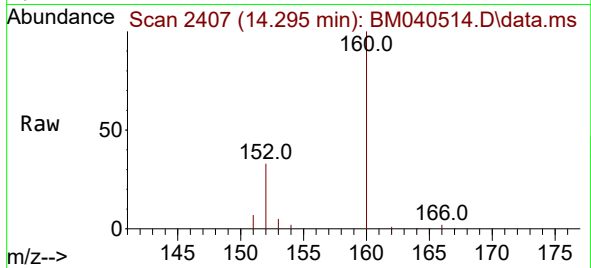




#10
Acenaphthylene
Concen: 0.483 ng/ul
RT: 14.295 min Scan# 2407
Delta R.T. -0.004 min
Lab File: BM040514.D
Acq: 01 Jul 2023 22:19

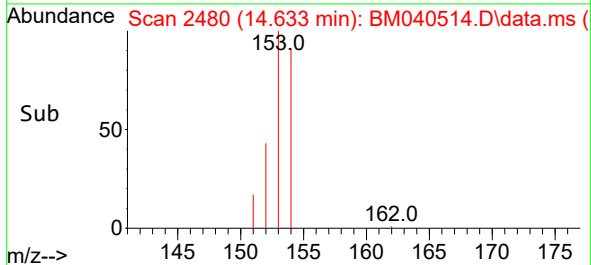
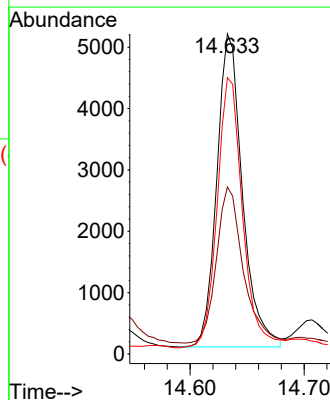
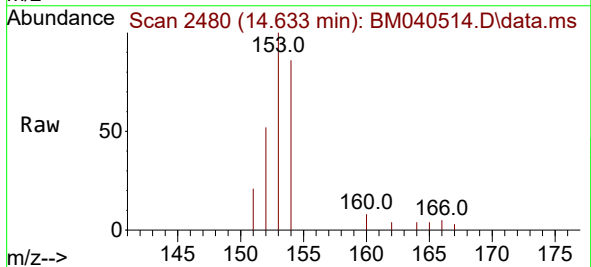
Instrument :
BNA_M
ClientSampleId :
DCFZ8

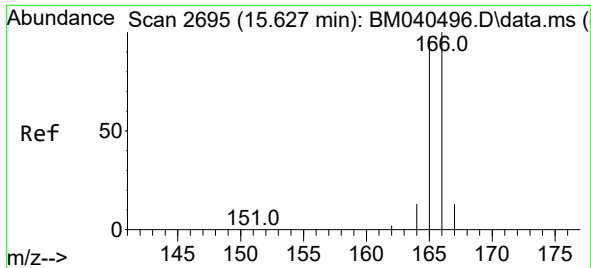
Tgt Ion:152 Resp: 31372
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 14.7 10.9 16.3



#11
Acenaphthene
Concen: 0.145 ng/ul
RT: 14.633 min Scan# 2480
Delta R.T. -0.009 min
Lab File: BM040514.D
Acq: 01 Jul 2023 22:19

Tgt Ion:153 Resp: 7968
Ion Ratio Lower Upper
153 100
152 52.2 41.0 61.4
154 86.3 70.8 106.2

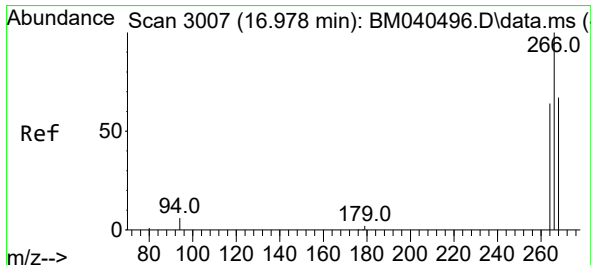
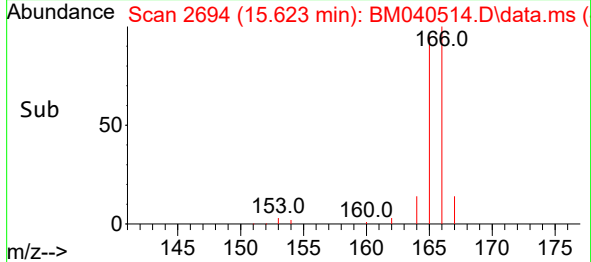
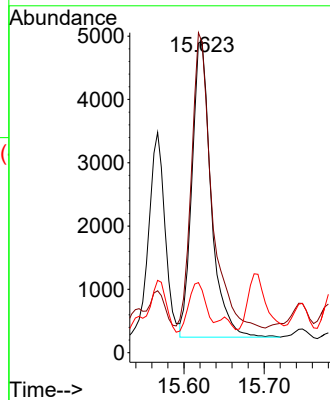
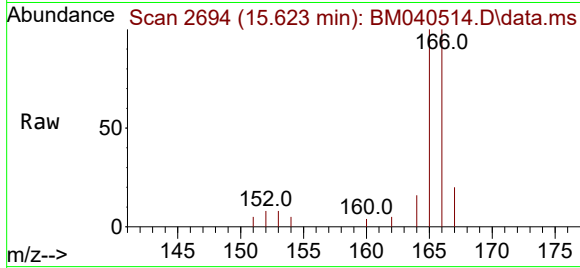




#12
Fluorene
Concen: 0.132 ng/ul
RT: 15.623 min Scan# 2
Delta R.T. -0.009 min
Lab File: BM040514.D
Acq: 01 Jul 2023 22:19

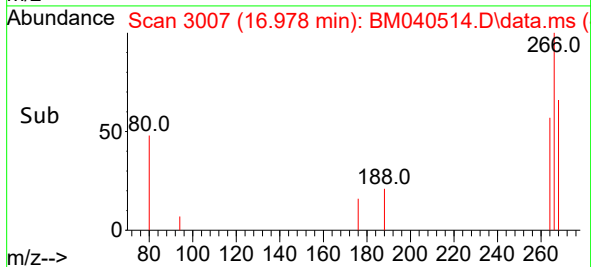
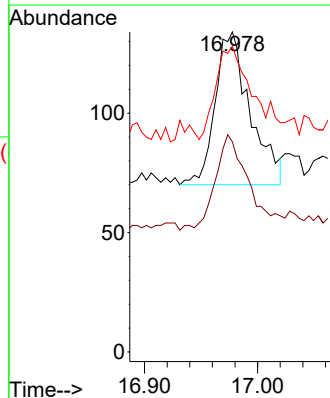
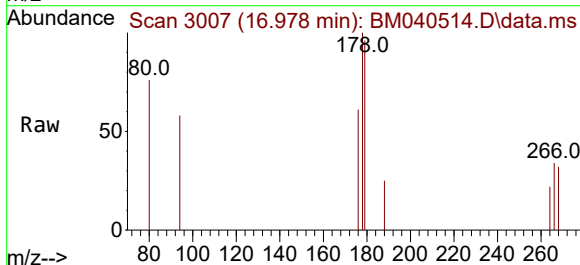
Instrument :
BNA_M
ClientSampleId :
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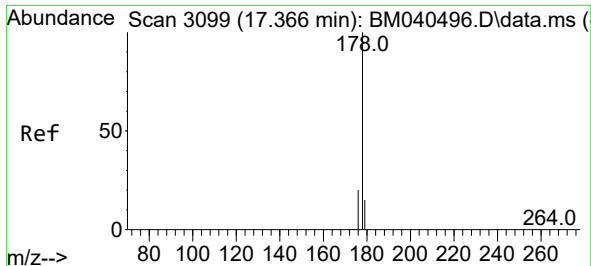
Tgt Ion:166 Resp: 7718
Ion Ratio Lower Upper
166 100
165 99.8 79.6 119.4
167 20.1 11.4 17.0#



#14
Pentachlorophenol
Concen: 0.024 ng/ul
RT: 16.978 min Scan# 3007
Delta R.T. -0.004 min
Lab File: BM040514.D
Acq: 01 Jul 2023 22:19

Tgt Ion:266 Resp: 138
Ion Ratio Lower Upper
266 100
264 60.1 45.4 68.0
268 68.8 47.2 70.8

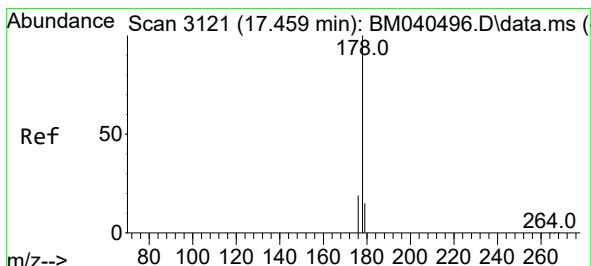
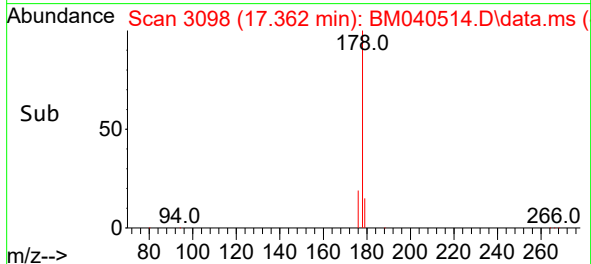
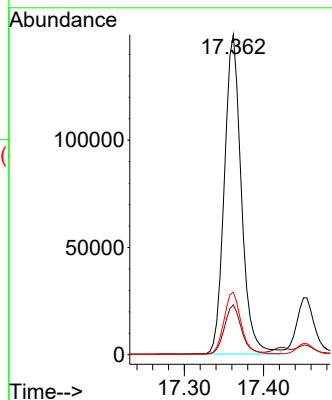
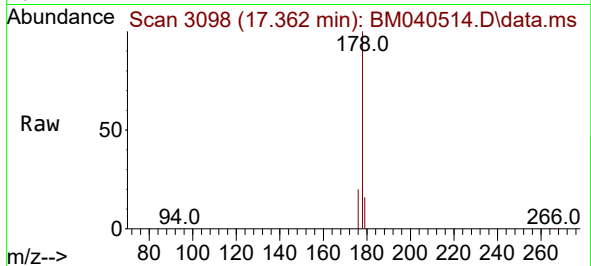




#15
Phenanthrene
Concen: 2.369 ng/ul
RT: 17.362 min Scan# 3119
Delta R.T. -0.008 min
Lab File: BM040514.D
Acq: 01 Jul 2023 22:19

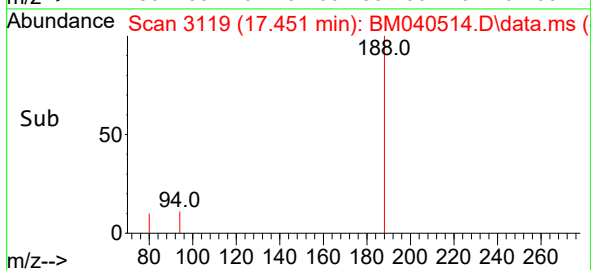
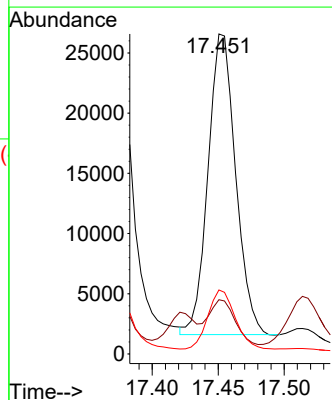
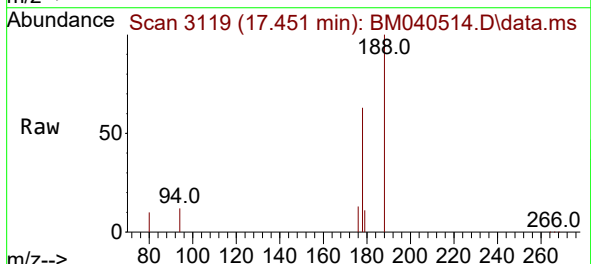
Instrument :
BNA_M
ClientSampleId :
DCFZ8

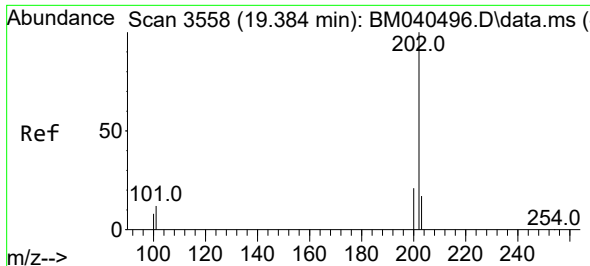
Tgt Ion:178 Resp: 222504
Ion Ratio Lower Upper
178 100
179 15.6 12.8 19.2
176 19.5 16.4 24.6



#16
Anthracene
Concen: 0.461 ng/ul
RT: 17.451 min Scan# 3119
Delta R.T. -0.012 min
Lab File: BM040514.D
Acq: 01 Jul 2023 22:19

Tgt Ion:178 Resp: 36382
Ion Ratio Lower Upper
178 100
179 16.9 12.9 19.3
176 20.0 15.8 23.6

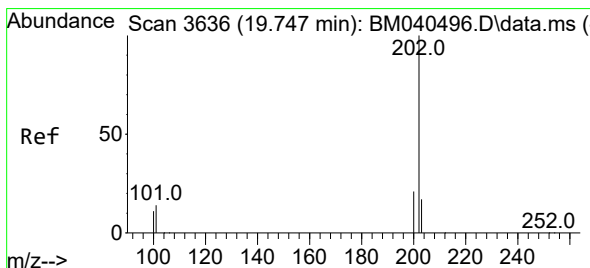
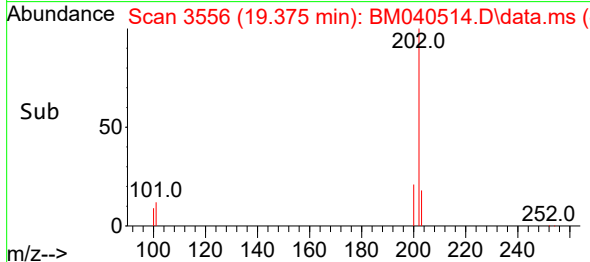
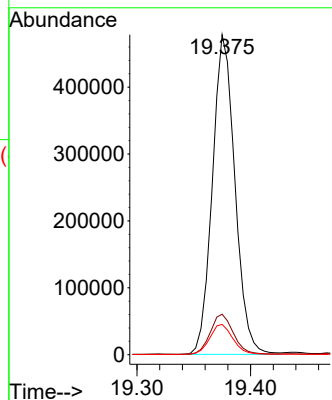
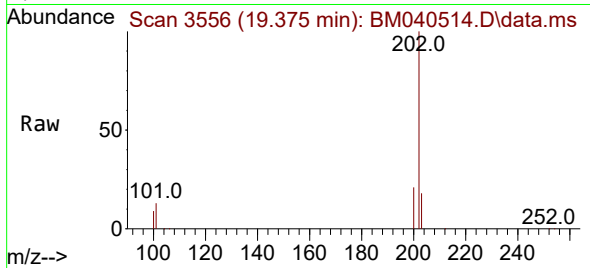




#19
Fluoranthene
Concen: 8.192 ng/ul
RT: 19.375 min Scan# 3556
Delta R.T. -0.009 min
Lab File: BM040514.D
Acq: 01 Jul 2023 22:19

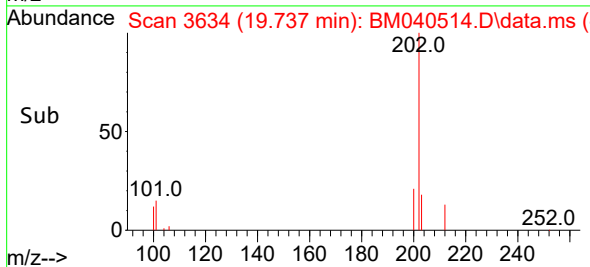
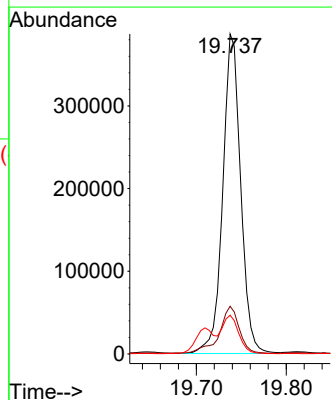
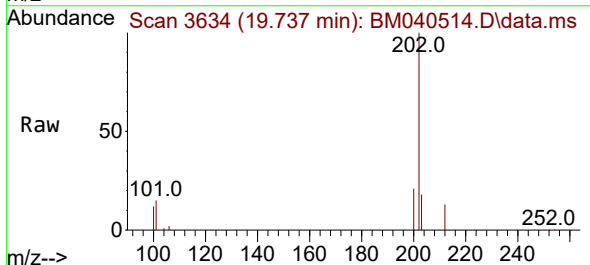
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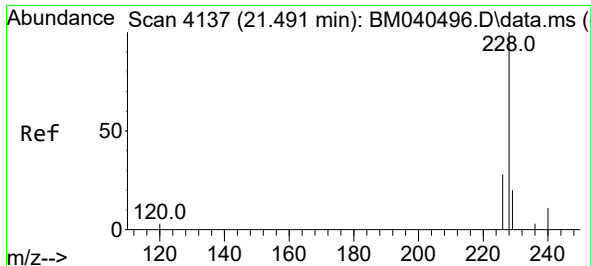
Tgt Ion:202 Resp: 658996
Ion Ratio Lower Upper
202 100
101 12.6 11.4 17.0
100 9.5 8.7 13.1



#20
Pyrene
Concen: 6.201 ng/ul
RT: 19.737 min Scan# 3634
Delta R.T. -0.009 min
Lab File: BM040514.D
Acq: 01 Jul 2023 22:19

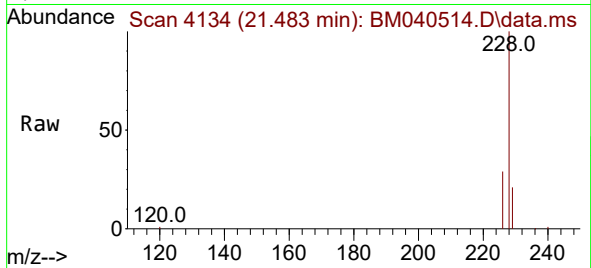
Tgt Ion:202 Resp: 534813
Ion Ratio Lower Upper
202 100
101 14.9 12.6 18.8
100 12.1 9.8 14.6



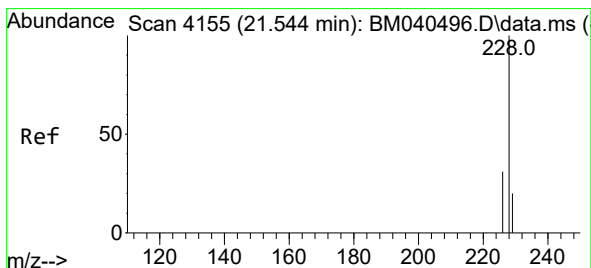
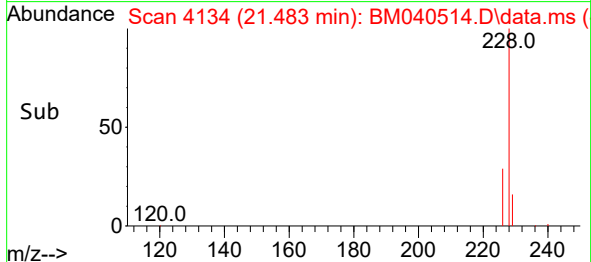
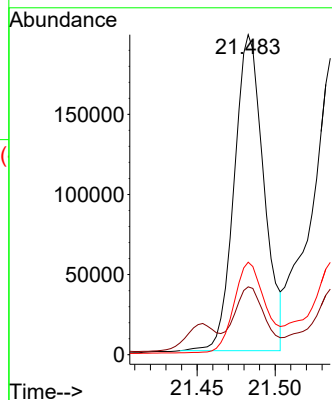


#21
Benzo(a)anthracene
Concen: 4.057 ng/ul
RT: 21.483 min Scan# 4134
Delta R.T. -0.009 min
Lab File: BM040514.D
Acq: 01 Jul 2023 22:19

Instrument :
BNA_M
ClientSampleId :
DCFZ8

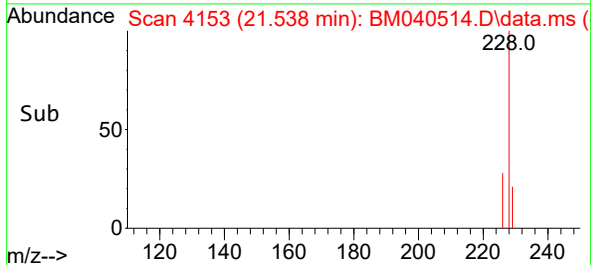
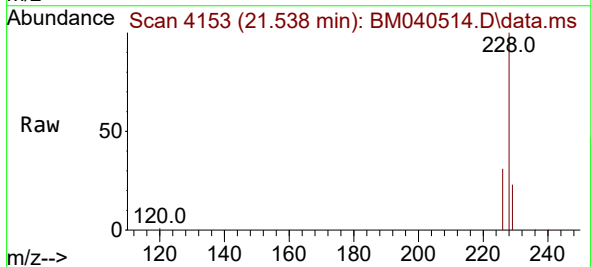
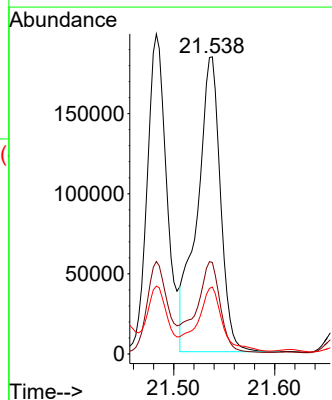


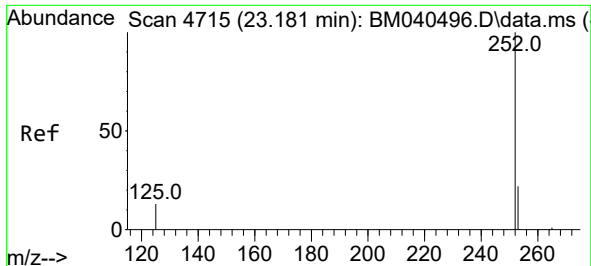
Tgt Ion:228 Resp: 259849
Ion Ratio Lower Upper
228 100
229 21.2 16.0 24.0
226 28.9 22.3 33.5



#22
Chrysene
Concen: 4.047 ng/ul
RT: 21.538 min Scan# 4153
Delta R.T. -0.006 min
Lab File: BM040514.D
Acq: 01 Jul 2023 22:19

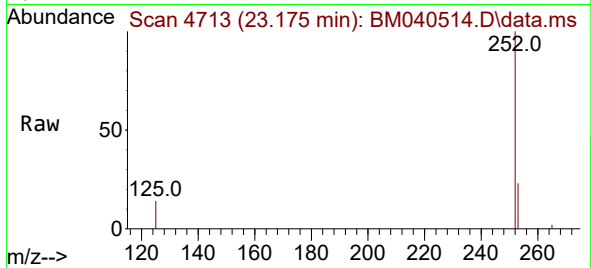
Tgt Ion:228 Resp: 295703
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 22.5 15.8 23.6



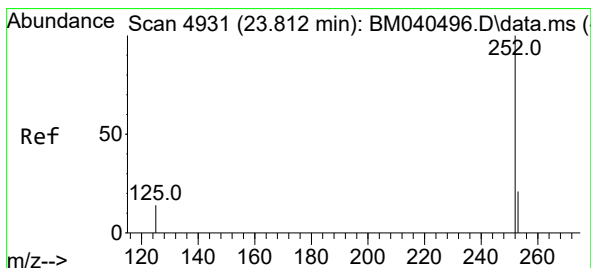
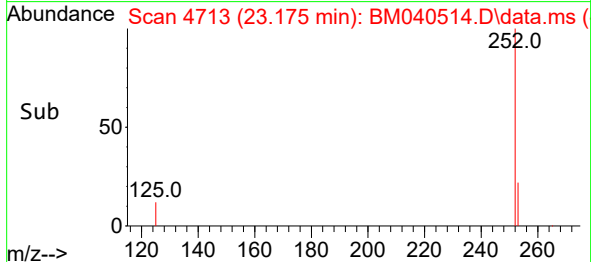
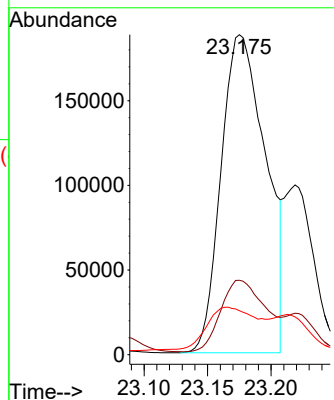


#24
Benzo(b)fluoranthene
Concen: 6.988 ng/ul
RT: 23.175 min Scan# 41
Delta R.T. -0.006 min
Lab File: BM040514.D
Acq: 01 Jul 2023 22:19

Instrument :
BNA_M
ClientSampleId :
DCFZ8

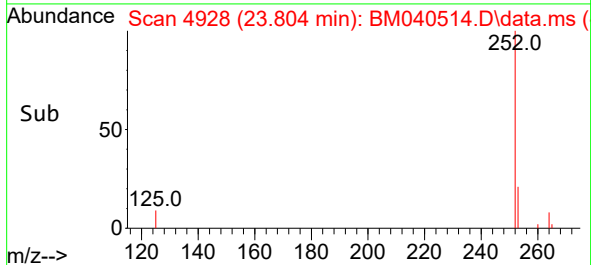
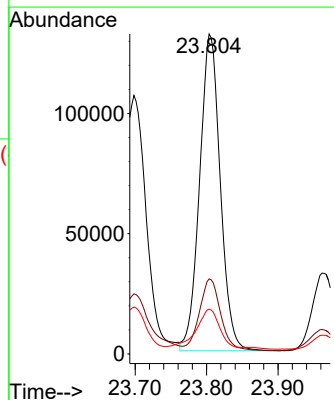
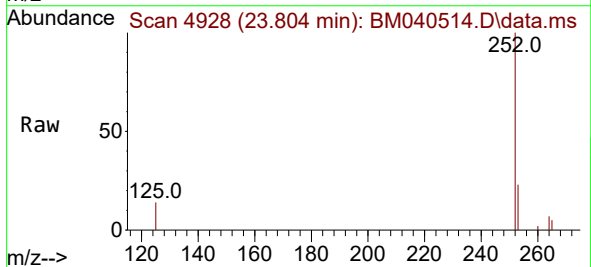


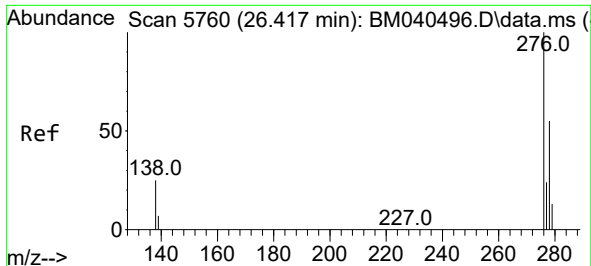
Tgt Ion:252 Resp: 459148
Ion Ratio Lower Upper
252 100
253 23.3 0.0 52.8
125 13.8 0.0 43.0



#26
Benzo(a)pyrene
Concen: 4.485 ng/ul
RT: 23.804 min Scan# 4928
Delta R.T. -0.009 min
Lab File: BM040514.D
Acq: 01 Jul 2023 22:19

Tgt Ion:252 Resp: 265414
Ion Ratio Lower Upper
252 100
253 23.4 22.9 34.3
125 14.0 21.0 31.4#





#27

Indeno(1,2,3-cd)pyrene

Concen: 2.801 ng/ul

RT: 26.410 min Scan# 5

Delta R.T. -0.010 min

Lab File: BM040514.D

Acq: 01 Jul 2023 22:19

Instrument :

BNA_M

ClientSampleId :

DCFZ8

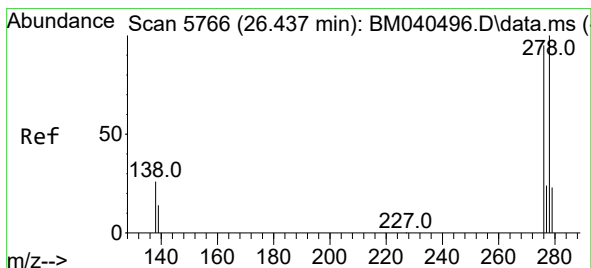
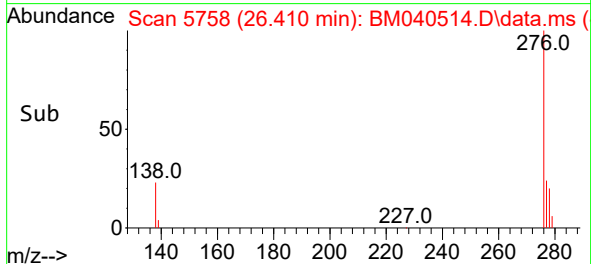
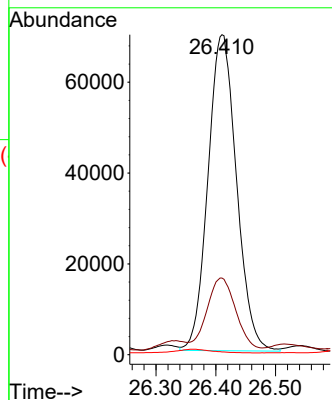
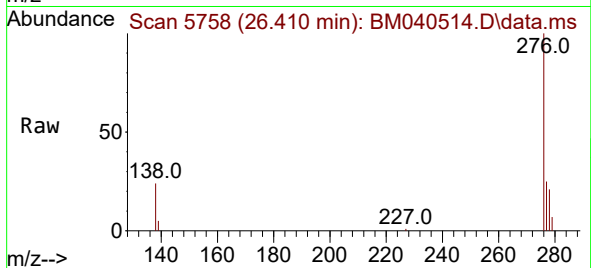
Tgt Ion:276 Resp: 230830

Ion Ratio Lower Upper

276 100

138 22.7 24.5 36.7#

227 0.0 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 0.873 ng/ul

RT: 26.417 min Scan# 5760

Delta R.T. -0.020 min

Lab File: BM040514.D

Acq: 01 Jul 2023 22:19

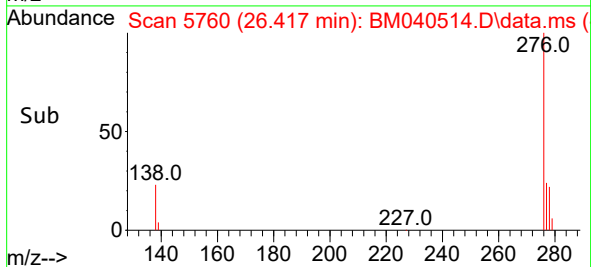
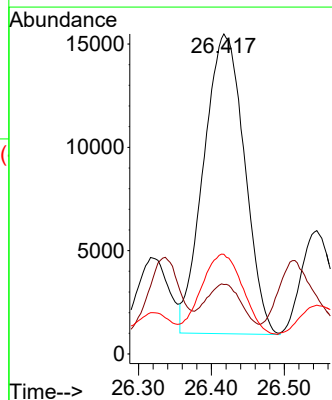
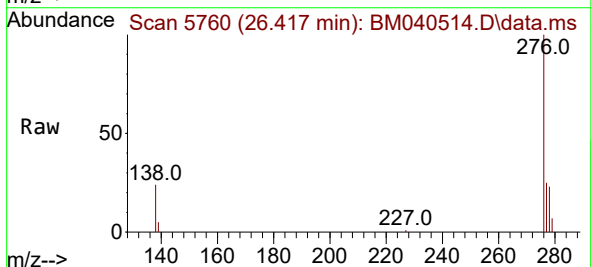
Tgt Ion:278 Resp: 56309

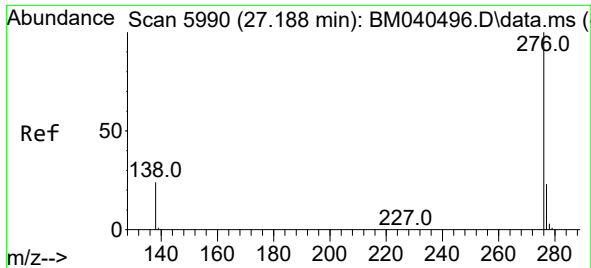
Ion Ratio Lower Upper

278 100

139 21.7 17.9 26.9

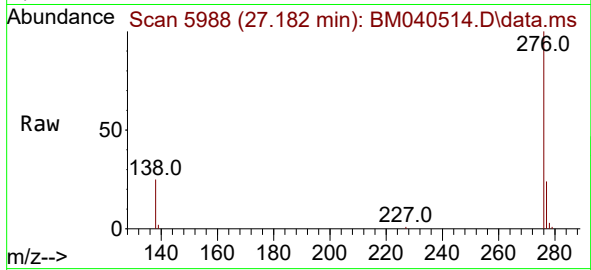
279 31.1 22.0 33.0





#29
 Benzo(g,h,i)perylene
 Concen: 2.844 ng/ul
 RT: 27.182 min Scan# 5988
 Delta R.T. -0.003 min
 Lab File: BM040514.D
 Acq: 01 Jul 2023 22:19

Instrument :
 BNA_M
 ClientSampleId :
 DCFZ8



Tgt Ion:276 Resp: 205483
 Ion Ratio Lower Upper
 276 100
 138 24.9 23.0 34.6
 277 23.9 20.3 30.5

