

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082423\
 Data File : BM041497.D
 Acq On : 25 Aug 2023 17:15
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4057

Quant Time: Aug 26 00:17:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM082423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 24 18:34:12 2023
 Response via : Initial Calibration

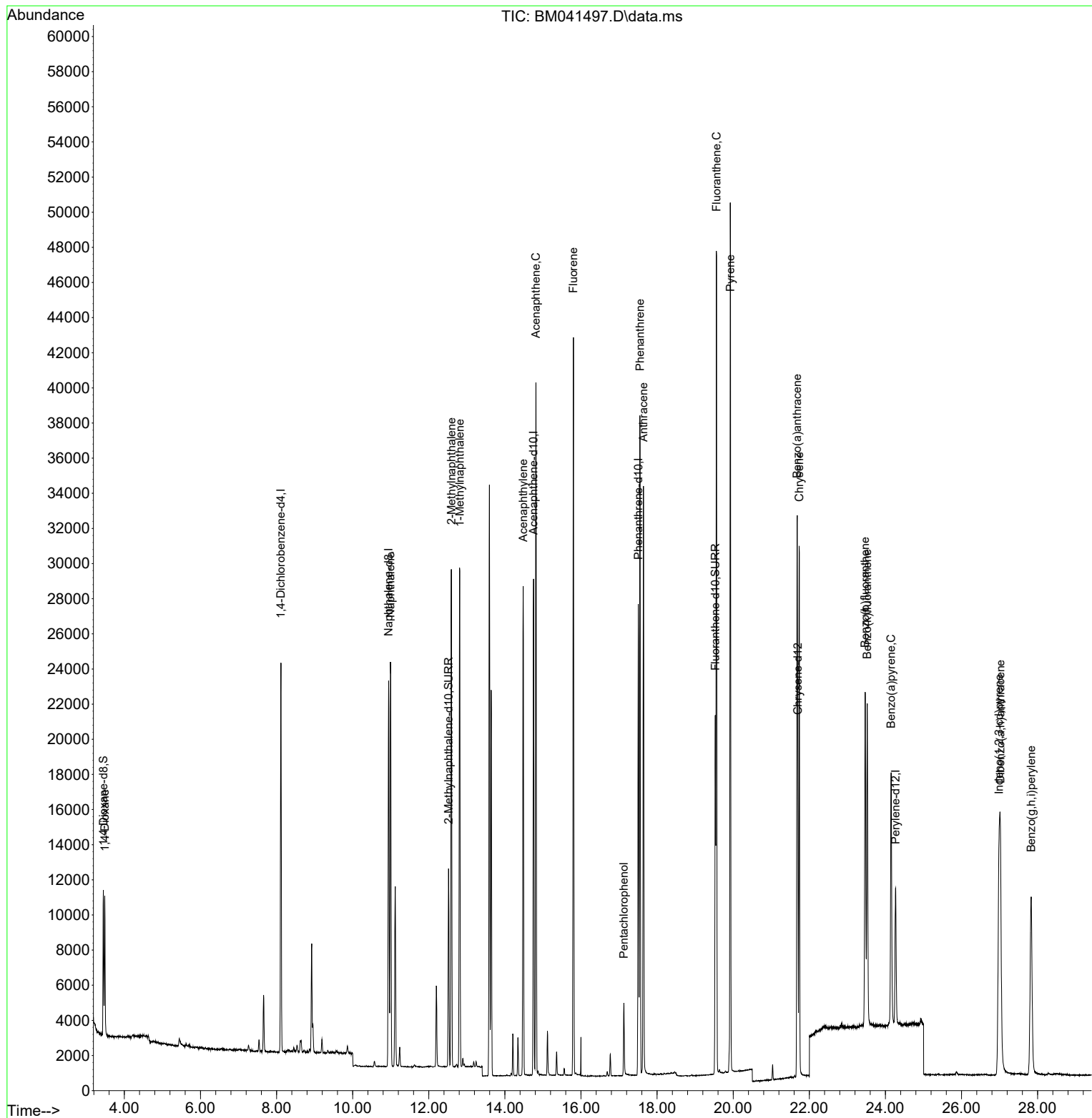
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.114	152	10853	0.400	ng/ul	0.00
4) Naphthalene-d8	10.944	136	28586	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.754	164	14281	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.506	188	28404	0.400	ng/ul	0.00
17) Chrysene-d12	21.697	240	10704	0.400	ng/ul	0.00
23) Perylene-d12	24.266	264	11128	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.448	96	4920	0.358	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.523	152	13672	0.362	ng/ul	0.00
18) Fluoranthene-d10	19.529	212	17855	0.378	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.486	88	4925	0.348	ng/ul	98
5) Naphthalene	10.994	128	31054	0.364	ng/ul	100
7) 2-Methylnaphthalene	12.594	142	19246	0.376	ng/ul	100
8) 1-Methylnaphthalene	12.814	142	19585	0.376	ng/ul	99
10) Acenaphthylene	14.481	152	30626	0.357	ng/ul	100
11) Acenaphthene	14.814	153	22002	0.369	ng/ul	98
12) Fluorene	15.800	166	25052	0.375	ng/ul	99
14) Pentachlorophenol	17.126	266	2822	0.527	ng/ul	97
15) Phenanthrene	17.548	178	38581	0.370	ng/ul	99
16) Anthracene	17.641	178	35028	0.369	ng/ul	100
19) Fluoranthene	19.562	202	38779	0.395	ng/ul	97
20) Pyrene	19.924	202	39430	0.398	ng/ul	100
21) Benzo(a)anthracene	21.679	228	26717	0.384	ng/ul	99
22) Chrysene	21.735	228	26654	0.354	ng/ul	98
24) Benzo(b)fluoranthene	23.468	252	26514	0.348	ng/ul	97
25) Benzo(k)fluoranthene	23.524	252	25405	0.333	ng/ul	99
26) Benzo(a)pyrene	24.149	252	23070	0.368	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.985	276	29130	0.372	ng/ul#	99
28) Dibenzo(a,h)anthracene	27.022	278	21167	0.354	ng/ul	99
29) Benzo(g,h,i)perylene	27.830	276	24379	0.354	ng/ul	99

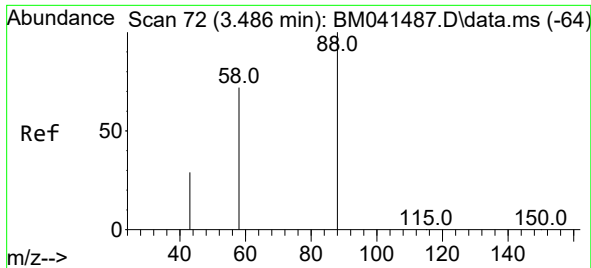
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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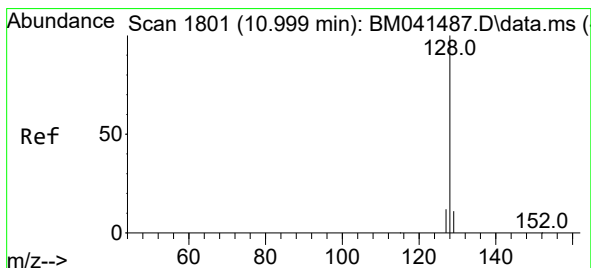
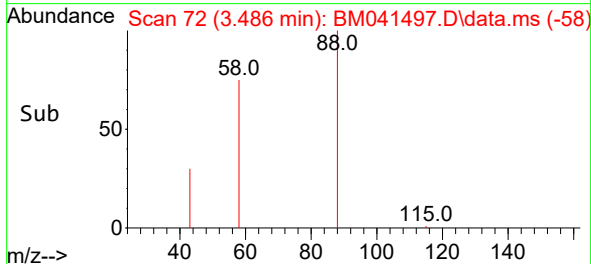
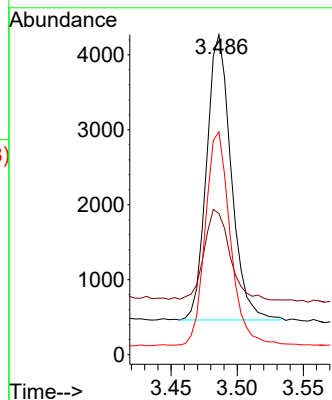
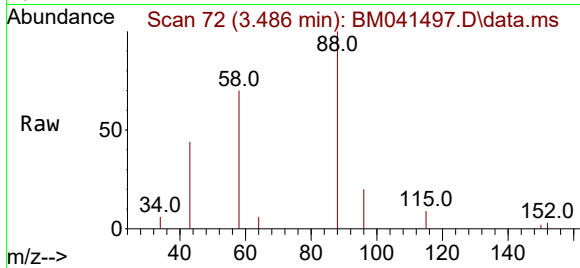




#2
1,4-Dioxane
Concen: 0.348 ng/ul
RT: 3.486 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM041497.D
Acq: 25 Aug 2023 17:15

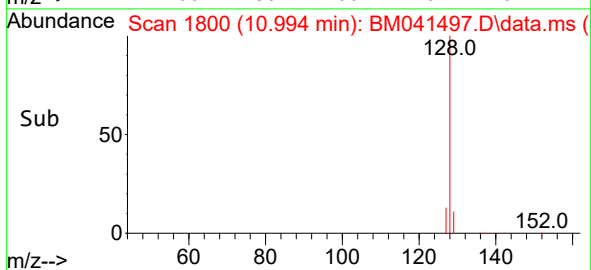
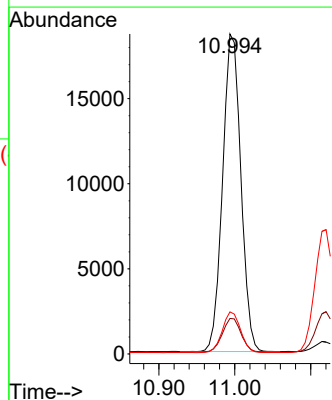
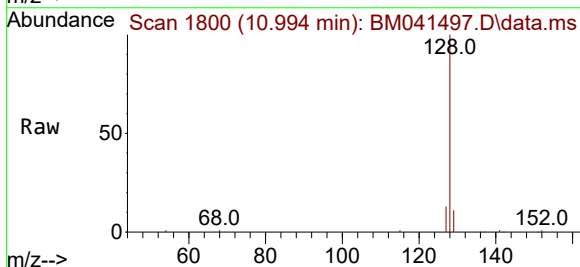
Instrument :
BNA_M
ClientSampleId :
SSTD0.4057

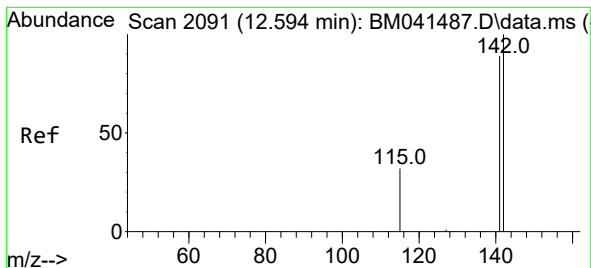
Tgt Ion: 88 Resp: 4925
Ion Ratio Lower Upper
88 100
43 44.1 35.4 53.2
58 69.7 57.3 85.9



#5
Naphthalene
Concen: 0.364 ng/ul
RT: 10.994 min Scan# 1800
Delta R.T. -0.005 min
Lab File: BM041497.D
Acq: 25 Aug 2023 17:15

Tgt Ion: 128 Resp: 31054
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.2 10.6 15.8

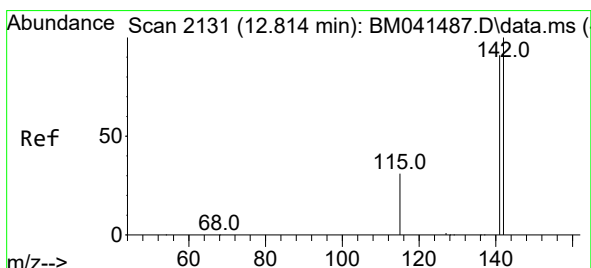
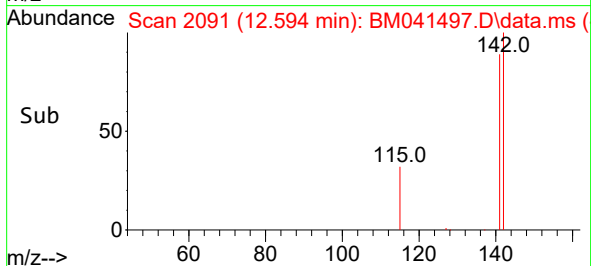
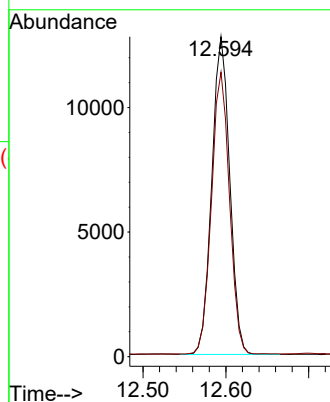
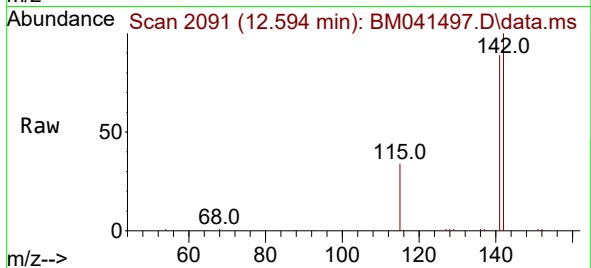




#7
2-Methylnaphthalene
Concen: 0.376 ng/ul
RT: 12.594 min Scan# 2091
Delta R.T. -0.005 min
Lab File: BM041497.D
Acq: 25 Aug 2023 17:15

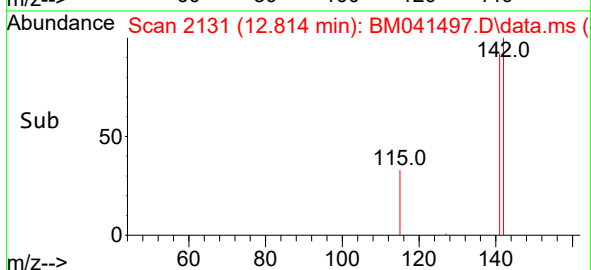
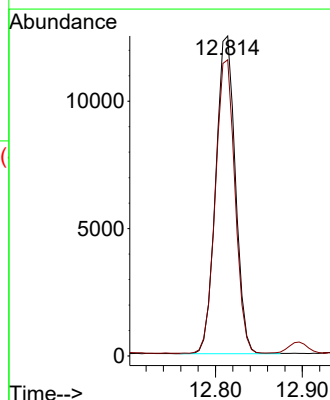
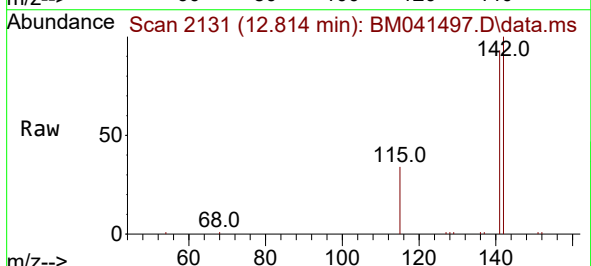
Instrument :
BNA_M
ClientSampleId :
SSTD0.4057

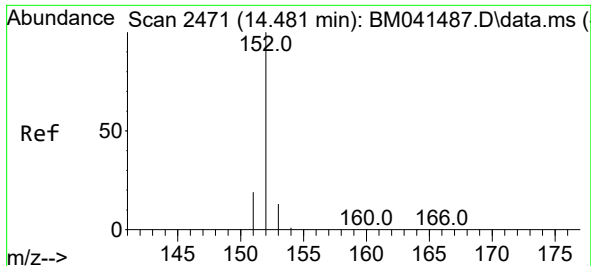
Tgt Ion:142 Resp: 19246
Ion Ratio Lower Upper
142 100
141 88.8 71.1 106.7



#8
1-Methylnaphthalene
Concen: 0.376 ng/ul
RT: 12.814 min Scan# 2131
Delta R.T. -0.005 min
Lab File: BM041497.D
Acq: 25 Aug 2023 17:15

Tgt Ion:142 Resp: 19585
Ion Ratio Lower Upper
142 100
141 92.5 73.4 110.2

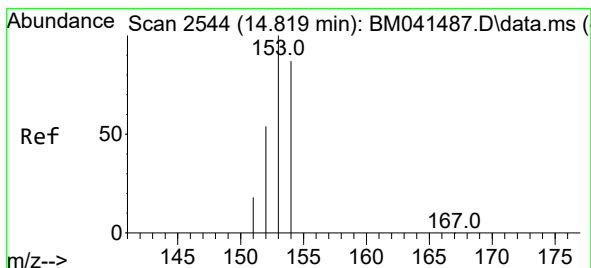
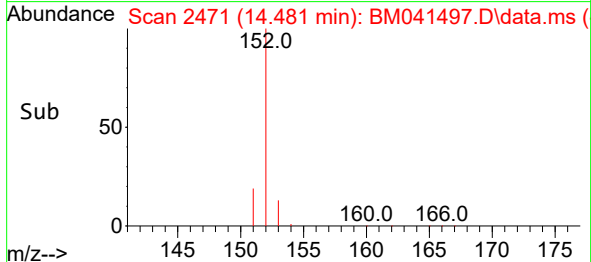
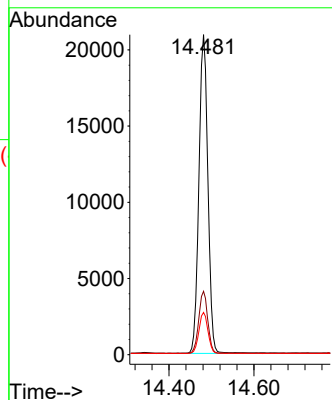
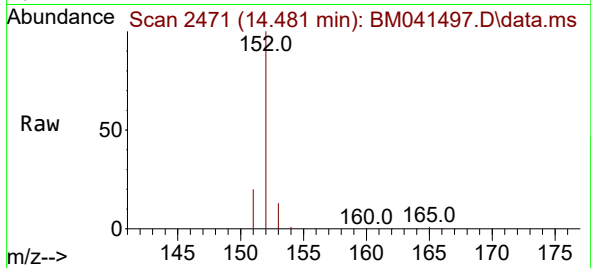




#10
Acenaphthylene
Concen: 0.357 ng/ul
RT: 14.481 min Scan# 2471
Delta R.T. -0.005 min
Lab File: BM041497.D
Acq: 25 Aug 2023 17:15

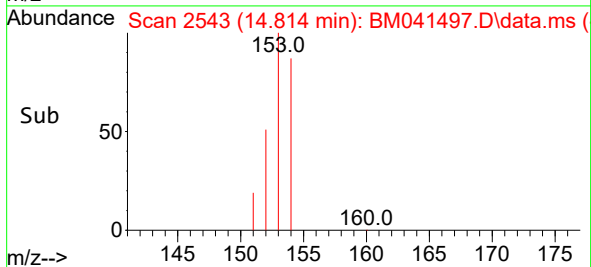
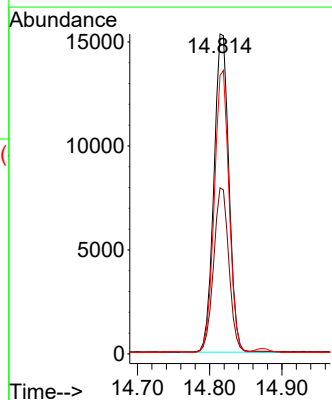
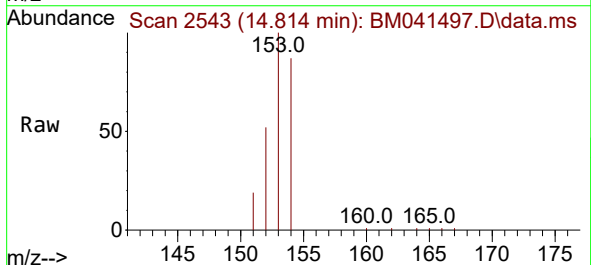
Instrument :
BNA_M
ClientSampleId :
SSTD0.4057

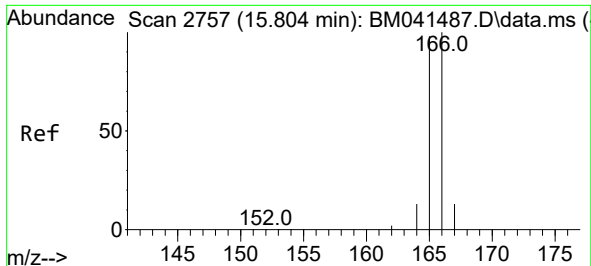
Tgt Ion:152	Resp:	30626
Ion Ratio	Lower	Upper
152	100	
151	19.8	15.8 23.6
153	13.2	10.6 15.8



#11
Acenaphthene
Concen: 0.369 ng/ul
RT: 14.814 min Scan# 2543
Delta R.T. -0.005 min
Lab File: BM041497.D
Acq: 25 Aug 2023 17:15

Tgt Ion:153	Resp:	22002
Ion Ratio	Lower	Upper
153	100	
152	51.9	42.9 64.3
154	87.1	68.9 103.3

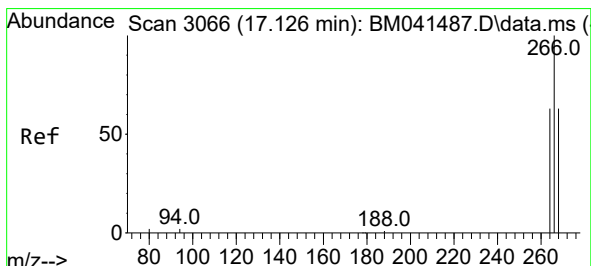
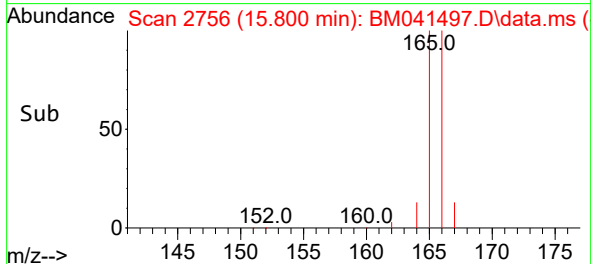
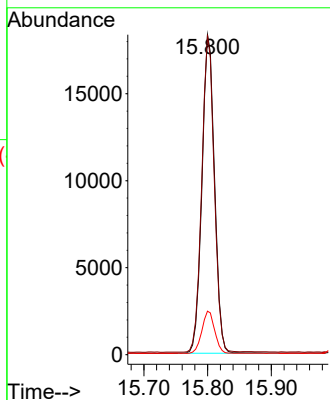
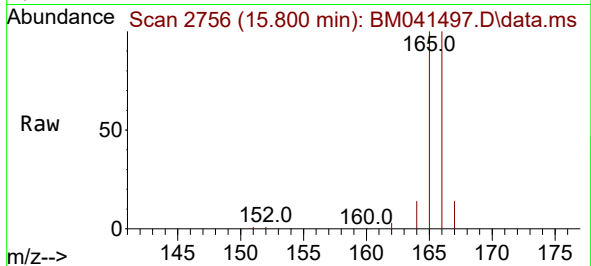




#12
Fluorene
Concen: 0.375 ng/ul
RT: 15.800 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM041497.D
Acq: 25 Aug 2023 17:15

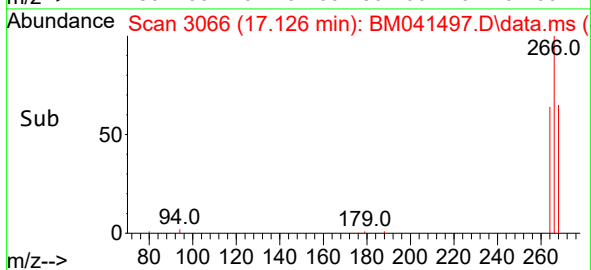
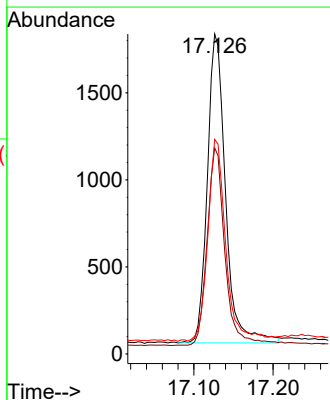
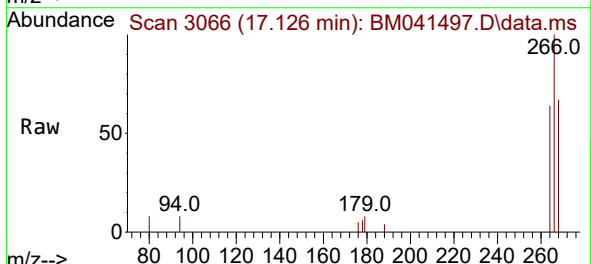
Instrument :
BNA_M
ClientSampleId :
SSTD0.4057

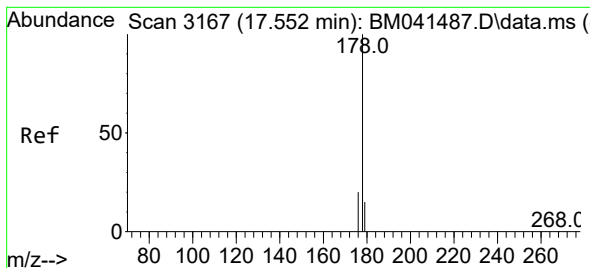
Tgt Ion:166 Resp: 25052
Ion Ratio Lower Upper
166 100
165 100.0 79.4 119.2
167 13.6 11.0 16.6



#14
Pentachlorophenol
Concen: 0.527 ng/ul
RT: 17.126 min Scan# 3066
Delta R.T. -0.004 min
Lab File: BM041497.D
Acq: 25 Aug 2023 17:15

Tgt Ion:266 Resp: 2822
Ion Ratio Lower Upper
266 100
264 62.8 50.1 75.1
268 65.1 48.6 73.0





#15

Phenanthrene

Concen: 0.370 ng/ul

RT: 17.548 min Scan# 3166

Delta R.T. -0.008 min

Lab File: BM041497.D

Acq: 25 Aug 2023 17:15

Instrument :

BNA_M

ClientSampleId :

SSTD0.4057

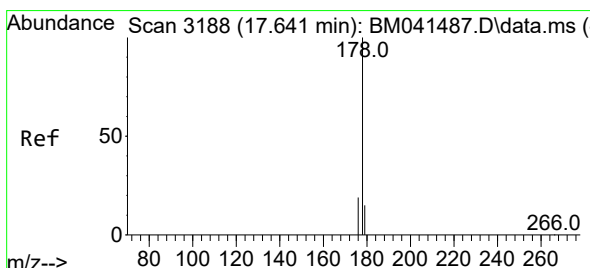
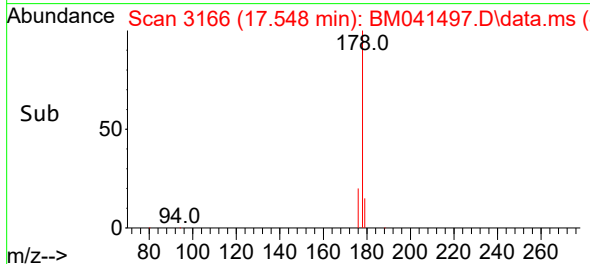
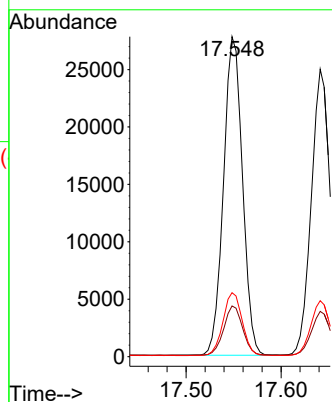
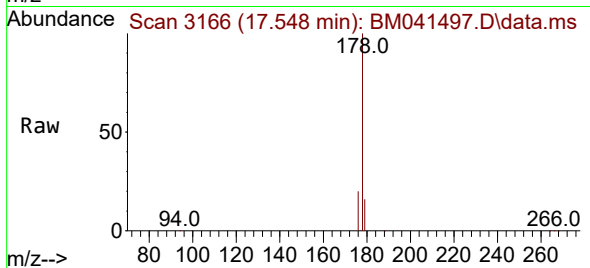
Tgt Ion:178 Resp: 38581

Ion Ratio Lower Upper

178 100

179 15.9 12.5 18.7

176 20.0 15.8 23.8



#16

Anthracene

Concen: 0.369 ng/ul

RT: 17.641 min Scan# 3188

Delta R.T. -0.004 min

Lab File: BM041497.D

Acq: 25 Aug 2023 17:15

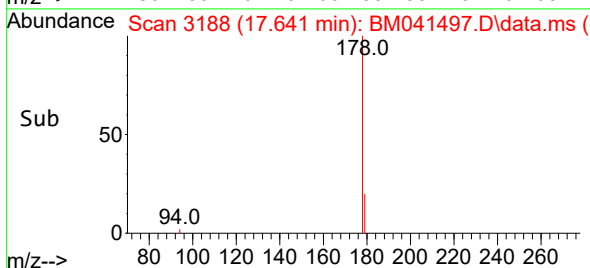
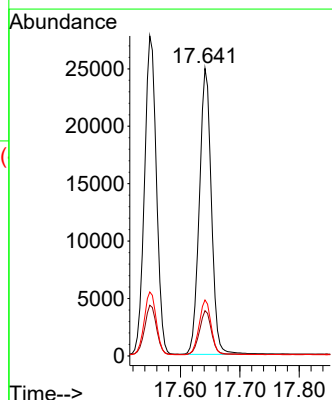
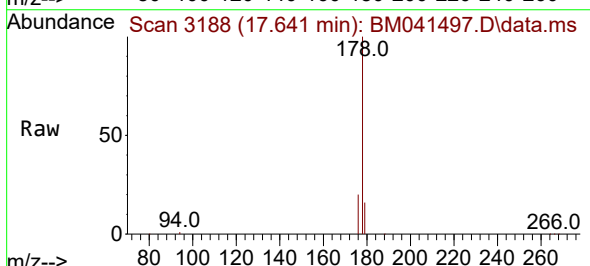
Tgt Ion:178 Resp: 35028

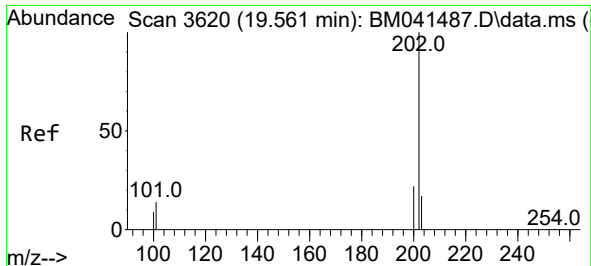
Ion Ratio Lower Upper

178 100

179 15.7 12.6 18.8

176 19.5 15.5 23.3

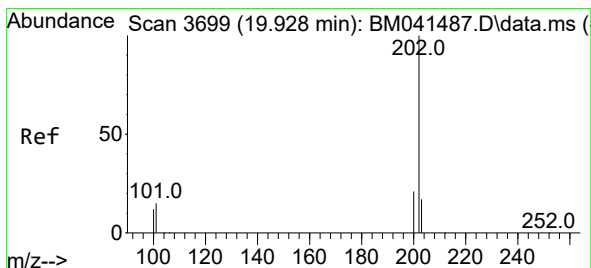
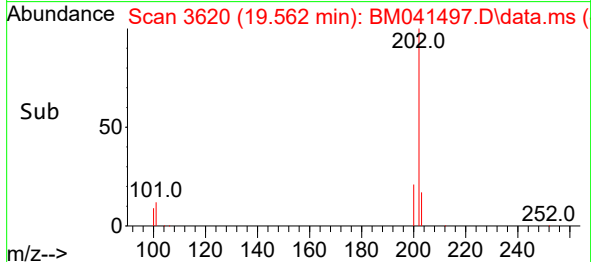
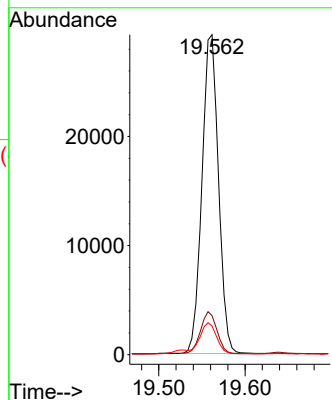
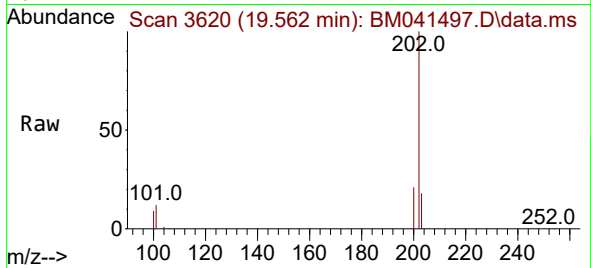




#19
Fluoranthene
Concen: 0.395 ng/ul
RT: 19.562 min Scan# 3620
Delta R.T. -0.005 min
Lab File: BM041497.D
Acq: 25 Aug 2023 17:15

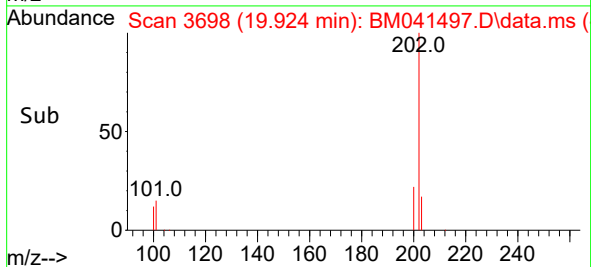
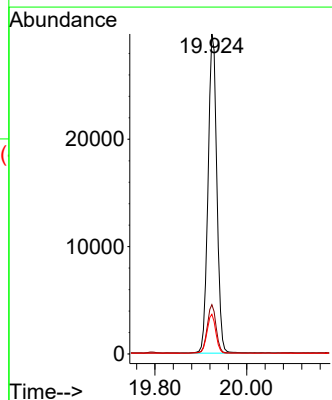
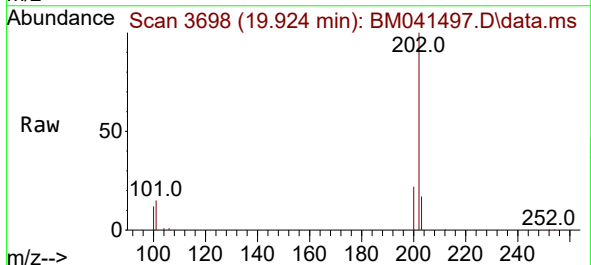
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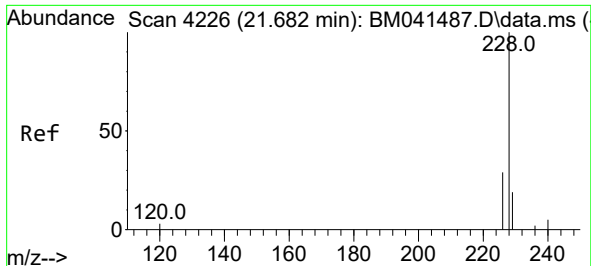
Tgt Ion:202 Resp: 38779
Ion Ratio Lower Upper
202 100
101 12.2 11.0 16.6
100 9.0 7.9 11.9



#20
Pyrene
Concen: 0.398 ng/ul
RT: 19.924 min Scan# 3698
Delta R.T. -0.009 min
Lab File: BM041497.D
Acq: 25 Aug 2023 17:15

Tgt Ion:202 Resp: 39430
Ion Ratio Lower Upper
202 100
101 15.4 12.2 18.2
100 12.4 9.8 14.8

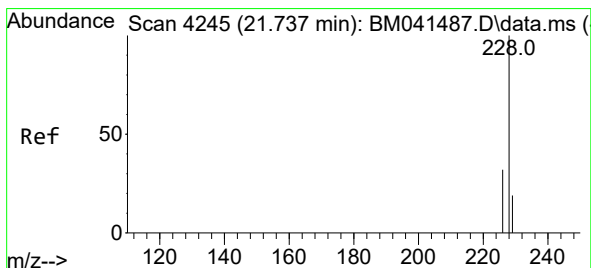
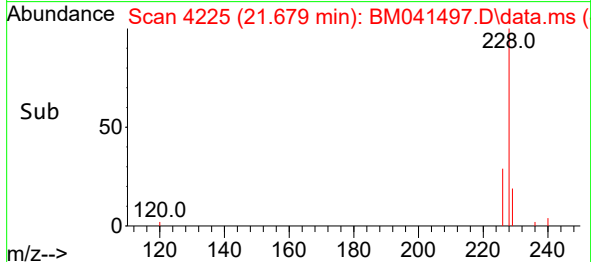
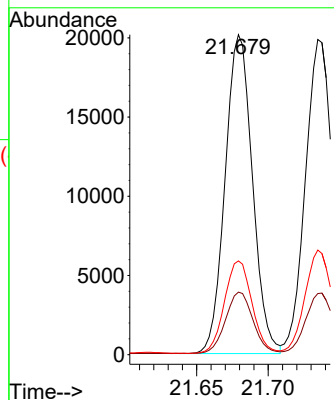
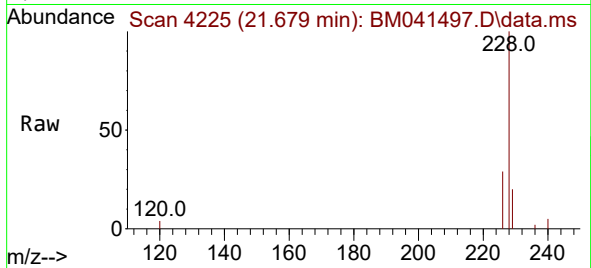




#21
Benzo(a)anthracene
Concen: 0.384 ng/ul
RT: 21.679 min Scan# 41
Delta R.T. -0.009 min
Lab File: BM041497.D
Acq: 25 Aug 2023 17:15

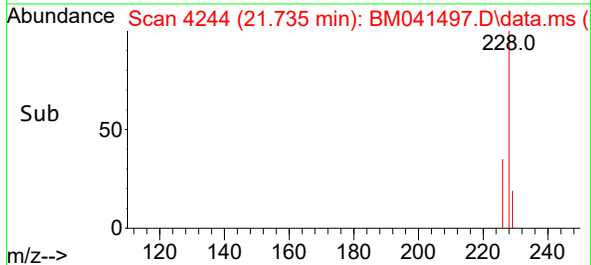
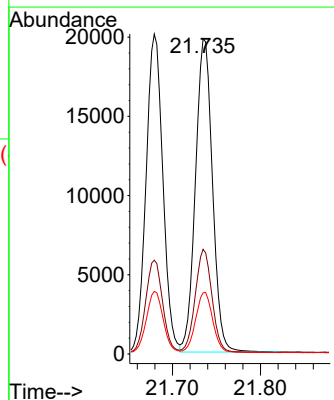
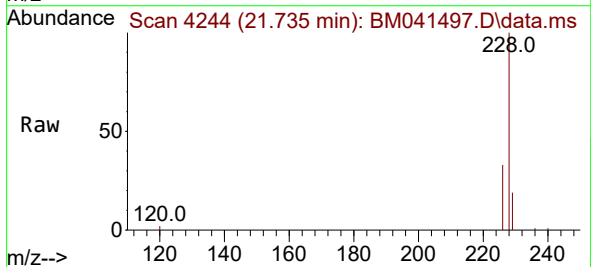
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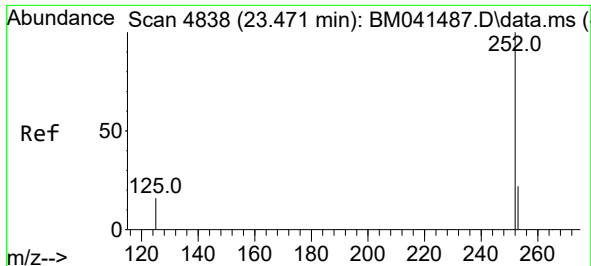
Tgt Ion:228 Resp: 26717
Ion Ratio Lower Upper
228 100
229 19.5 15.3 22.9
226 29.3 22.7 34.1



#22
Chrysene
Concen: 0.354 ng/ul
RT: 21.735 min Scan# 4244
Delta R.T. -0.009 min
Lab File: BM041497.D
Acq: 25 Aug 2023 17:15

Tgt Ion:228 Resp: 26654
Ion Ratio Lower Upper
228 100
226 33.2 25.6 38.4
229 19.4 15.7 23.5

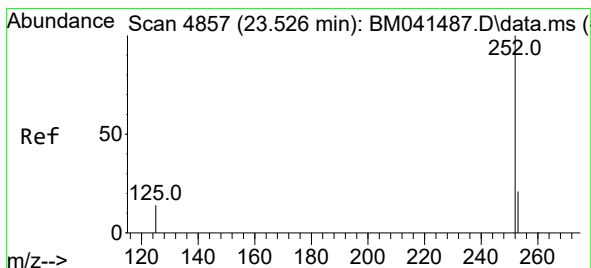
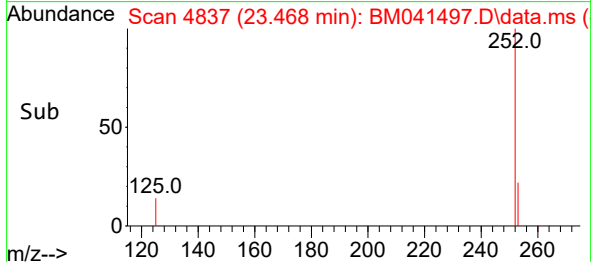
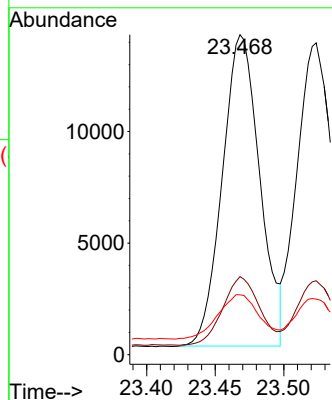
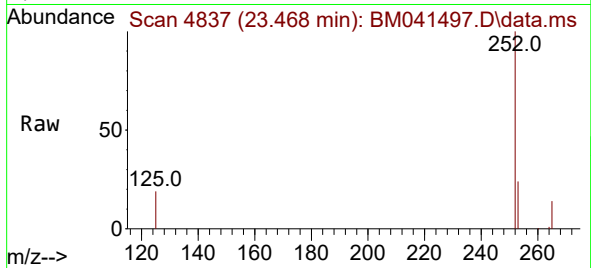




#24
Benzo(b)fluoranthene
Concen: 0.348 ng/ul
RT: 23.468 min Scan# 4837
Delta R.T. -0.015 min
Lab File: BM041497.D
Acq: 25 Aug 2023 17:15

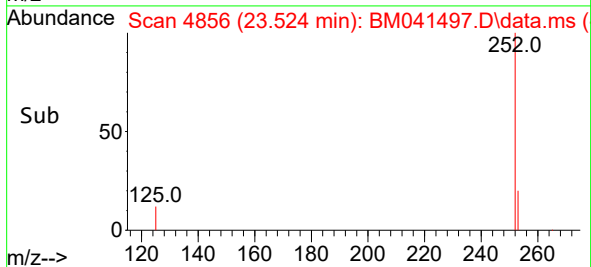
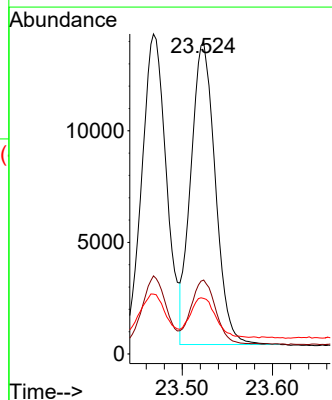
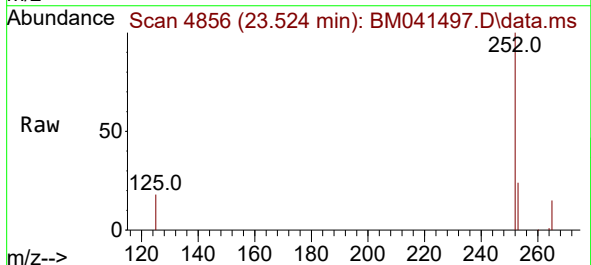
Instrument :
BNA_M
ClientSampleId :
SSTD0.4057

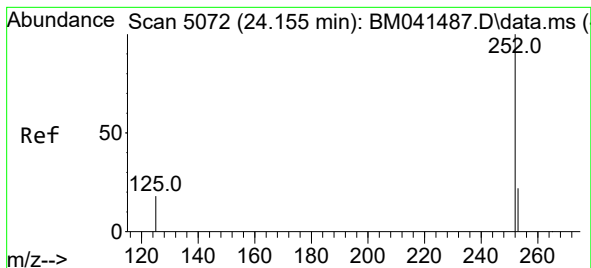
Tgt Ion:252 Resp: 26514
Ion Ratio Lower Upper
252 100
253 24.4 0.0 46.8
125 18.7 0.0 32.8



#25
Benzo(k)fluoranthene
Concen: 0.333 ng/ul
RT: 23.524 min Scan# 4856
Delta R.T. -0.012 min
Lab File: BM041497.D
Acq: 25 Aug 2023 17:15

Tgt Ion:252 Resp: 25405
Ion Ratio Lower Upper
252 100
253 23.7 19.1 28.7
125 17.8 13.4 20.0





#26

Benzo(a)pyrene

Concen: 0.368 ng/ul

RT: 24.149 min Scan# 5072

Delta R.T. -0.015 min

Lab File: BM041497.D

Acq: 25 Aug 2023 17:15

Instrument :

BNA_M

ClientSampleId :

SSTD0.4057

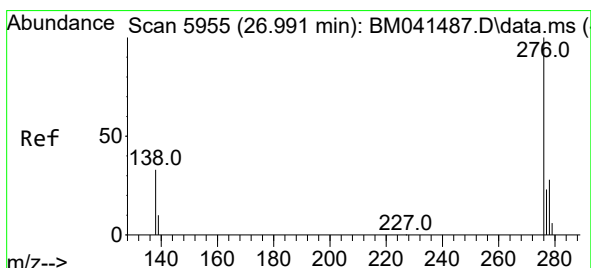
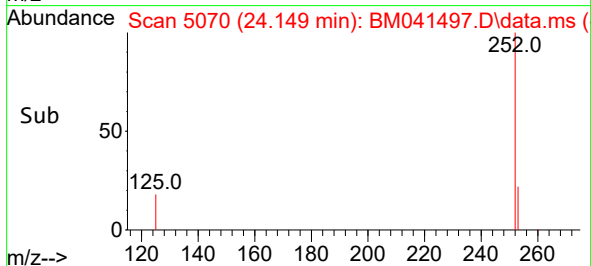
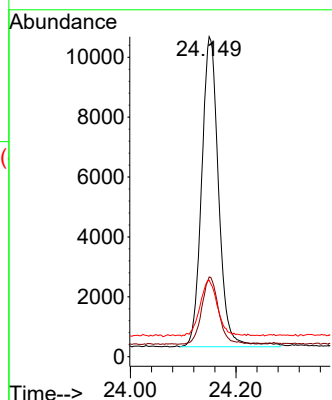
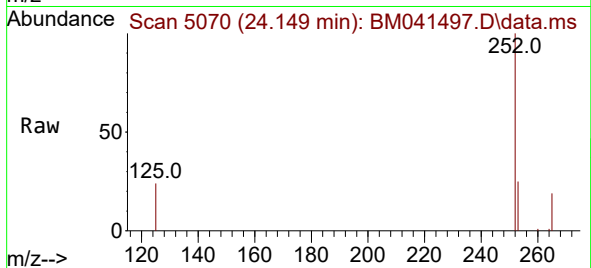
Tgt Ion:252 Resp: 23070

Ion Ratio Lower Upper

252 100

253 24.9 19.5 29.3

125 23.9 16.0 24.0



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.372 ng/ul

RT: 26.985 min Scan# 5953

Delta R.T. -0.020 min

Lab File: BM041497.D

Acq: 25 Aug 2023 17:15

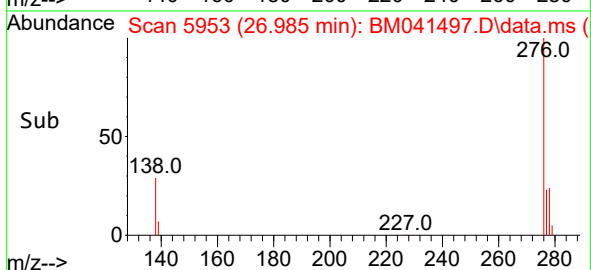
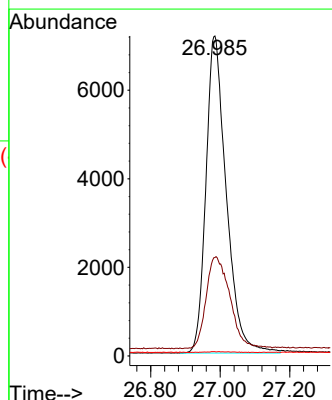
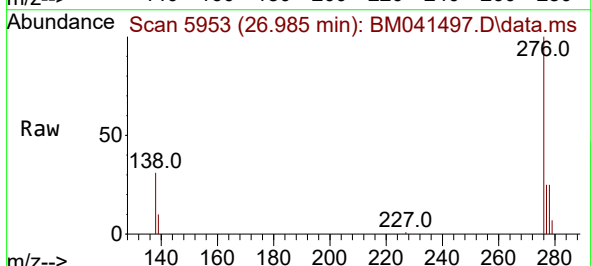
Tgt Ion:276 Resp: 29130

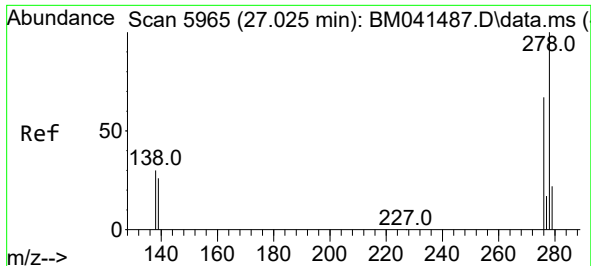
Ion Ratio Lower Upper

276 100

138 34.0 27.8 41.6

227 0.1 0.0 0.0#

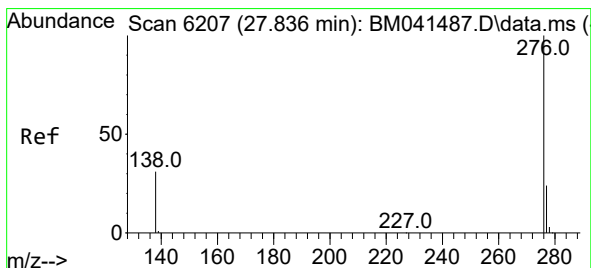
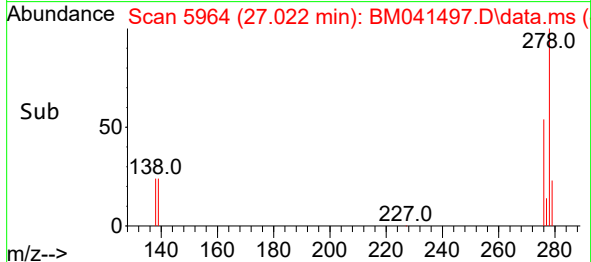
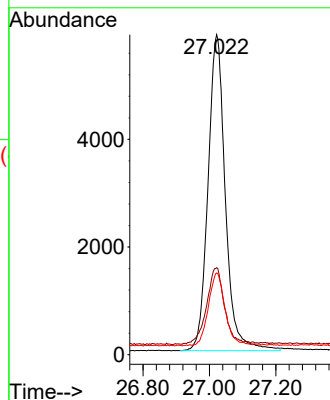
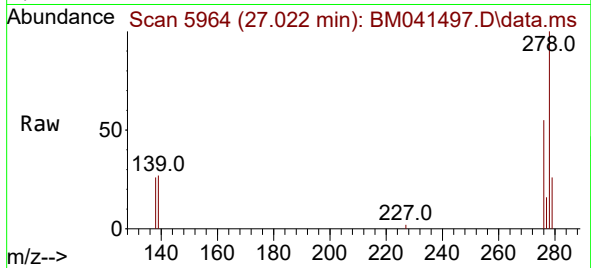




#28
Dibenzo(a,h)anthracene
Concen: 0.354 ng/ul
RT: 27.022 min Scan# 5964
Delta R.T. -0.023 min
Lab File: BM041497.D
Acq: 25 Aug 2023 17:15

Instrument :
BNA_M
ClientSampleId :
SSTD0.4057

Tgt Ion:278 Resp: 21167
Ion Ratio Lower Upper
278 100
139 27.2 21.9 32.9
279 25.6 21.4 32.0



#29
Benzo(g,h,i)perylene
Concen: 0.354 ng/ul
RT: 27.830 min Scan# 6205
Delta R.T. -0.023 min
Lab File: BM041497.D
Acq: 25 Aug 2023 17:15

Tgt Ion:276 Resp: 24379
Ion Ratio Lower Upper
276 100
138 32.3 25.9 38.9
277 24.7 19.4 29.2

