

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071124\
 Data File : BM046512.D
 Acq On : 11 Jul 2024 11:41
 Operator : MA/JU
 Sample : P3059-04MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E1GM5MS

Quant Time: Jul 12 04:20:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 04:18:37 2024
 Response via : Initial Calibration

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

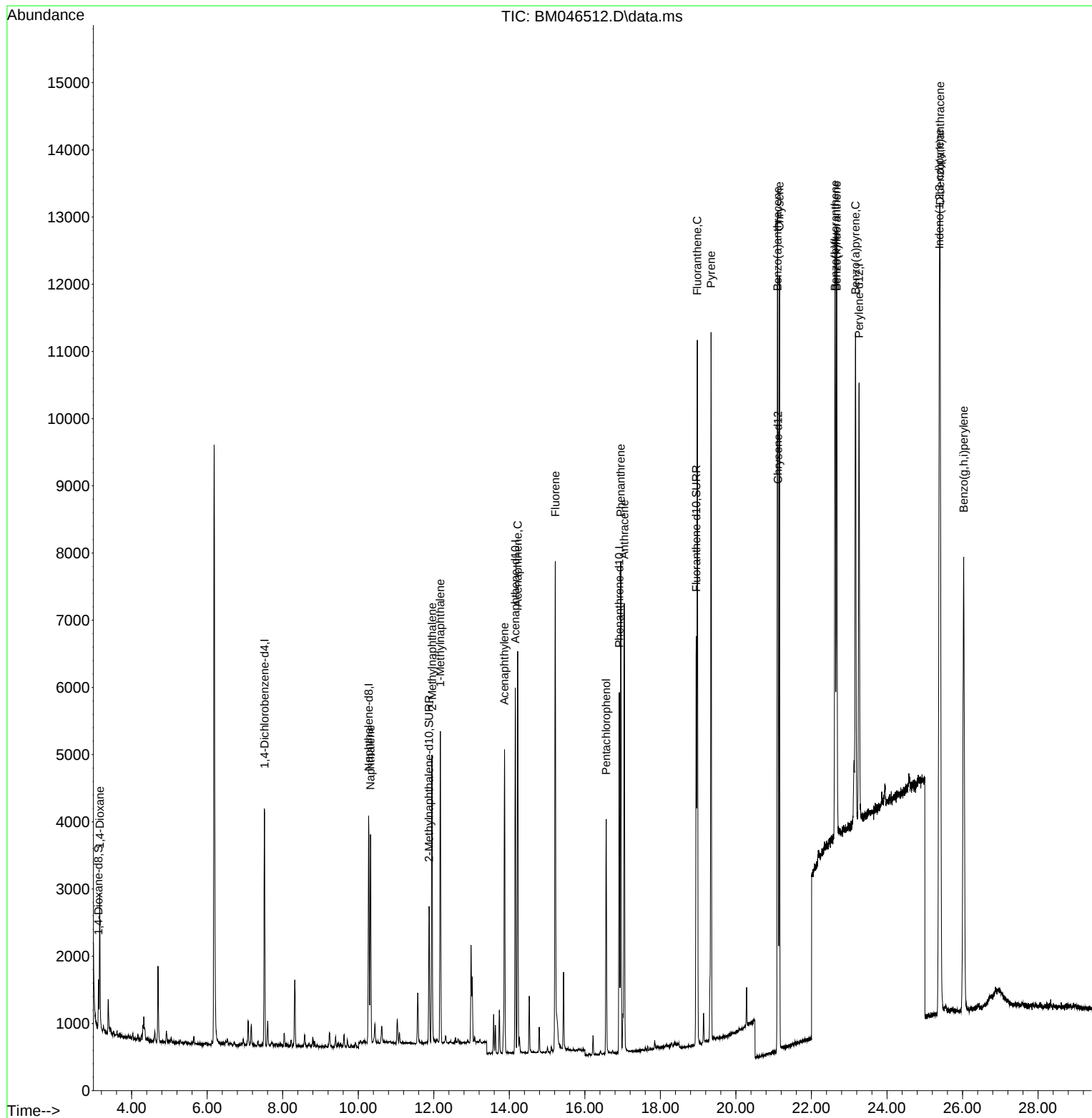
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.518	152	1784	0.400	ng/ul	0.00
4) Naphthalene-d8	10.275	136	4453	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.159	164	2936	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.912	188	6662	0.400	ng/ul	0.00
17) Chrysene-d12	21.117	240	5719	0.400	ng/ul	0.00
23) Perylene-d12	23.262	264	7624	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	409	0.279	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.876	152	2594	0.361	ng/ul	0.00
18) Fluoranthene-d10	18.950	212	7243	0.416	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.155	88	1324	0.846	ng/ul#	75
5) Naphthalene	10.325	128	4108	0.363	ng/ul	99
7) 2-Methylnaphthalene	11.953	142	2914	0.366	ng/ul	99
8) 1-Methylnaphthalene	12.173	142	2908	0.358	ng/ul	99
10) Acenaphthylene	13.872	152	4772	0.357	ng/ul	99
11) Acenaphthene	14.223	153	3412	0.381	ng/ul	98
12) Fluorene	15.218	166	6737	0.608	ng/ul	93
14) Pentachlorophenol	16.566	266	2235	0.662	ng/ul	98
15) Phenanthrene	16.950	178	7282	0.383	ng/ul	100
16) Anthracene	17.043	178	6732	0.363	ng/ul	100
19) Fluoranthene	18.978	202	9112	0.388	ng/ul	98
20) Pyrene	19.340	202	9572	0.376	ng/ul	99
21) Benzo(a)anthracene	21.100	228	9494	0.375	ng/ul	99
22) Chrysene	21.152	228	9328	0.381	ng/ul	98
24) Benzo(b)fluoranthene	22.625	252	11226	0.369	ng/ul	98
25) Benzo(k)fluoranthene	22.669	252	11282	0.377	ng/ul	99
26) Benzo(a)pyrene	23.166	252	10034	0.400	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.387	276	16542	0.434	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.407	278	13062	0.433	ng/ul#	96
29) Benzo(g,h,i)perylene	26.031	276	13577	0.446	ng/ul	99

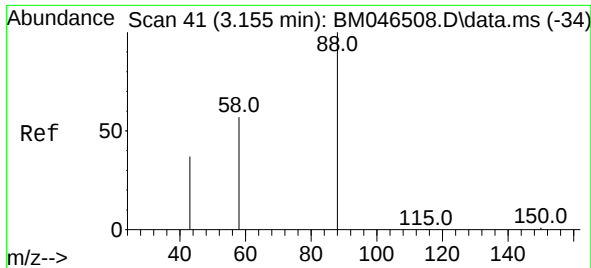
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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E1GM5MS

Quant Time: Jul 12 04:20:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 04:18:37 2024
Response via : Initial Calibration

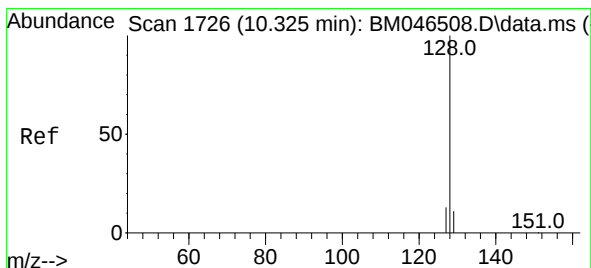
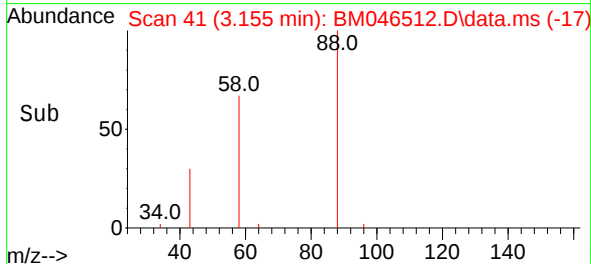
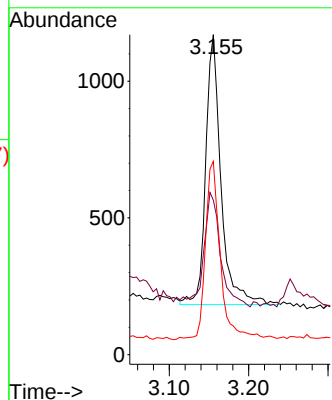
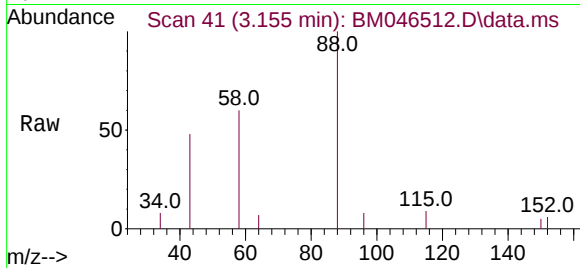




#2
1,4-Dioxane
Concen: 0.846 ng/ul
RT: 3.155 min Scan# 41
Delta R.T. 0.000 min
Lab File: BM046512.D
Acq: 11 Jul 2024 11:41

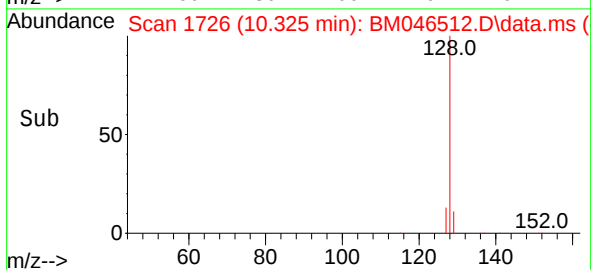
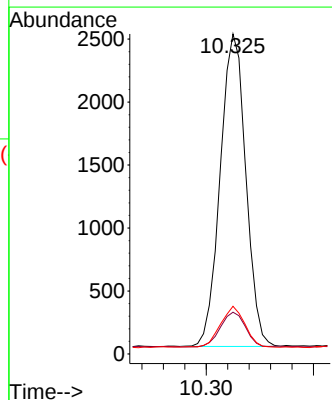
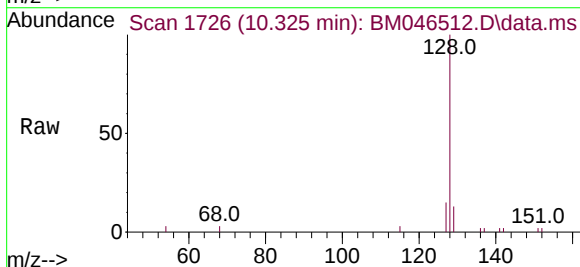
Instrument :
BNA_M
ClientSampleId :
E1GM5MS

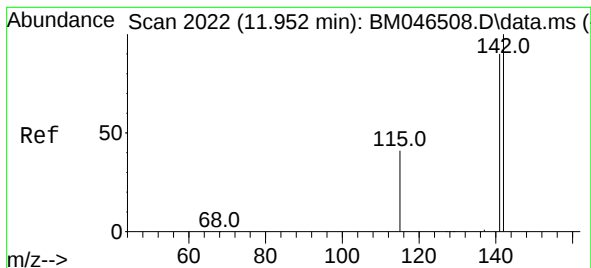
Tgt Ion: 88 Resp: 1324
Ion Ratio Lower Upper
88 100
43 48.3 70.2 105.4#
58 60.4 48.2 72.4



#5
Naphthalene
Concen: 0.363 ng/ul
RT: 10.325 min Scan# 1726
Delta R.T. 0.000 min
Lab File: BM046512.D
Acq: 11 Jul 2024 11:41

Tgt Ion: 128 Resp: 4108
Ion Ratio Lower Upper
128 100
129 13.1 10.3 15.5
127 14.9 12.2 18.4

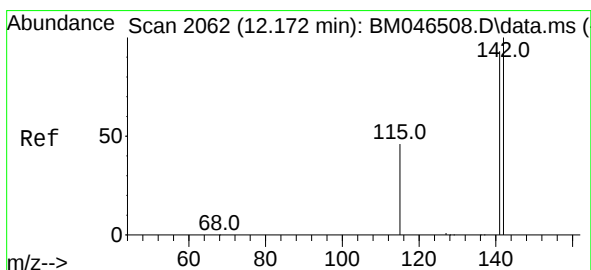
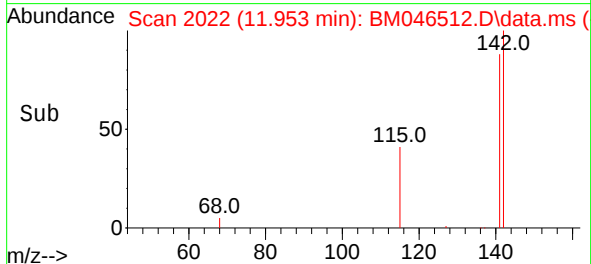
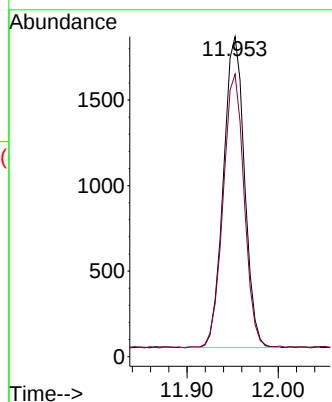
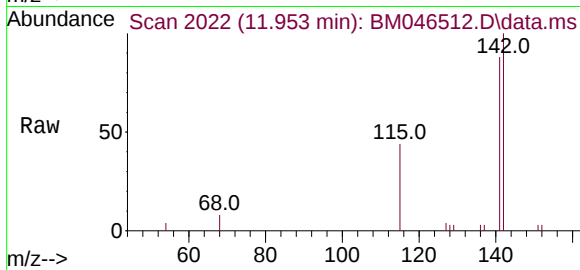




#7
2-Methylnaphthalene
Concen: 0.366 ng/ul
RT: 11.953 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BM046512.D
Acq: 11 Jul 2024 11:41

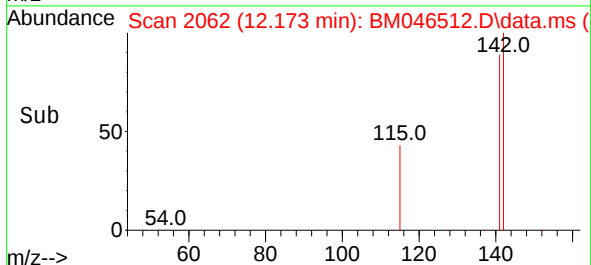
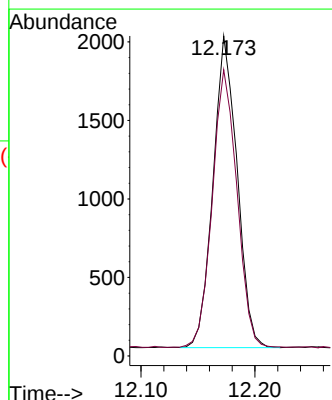
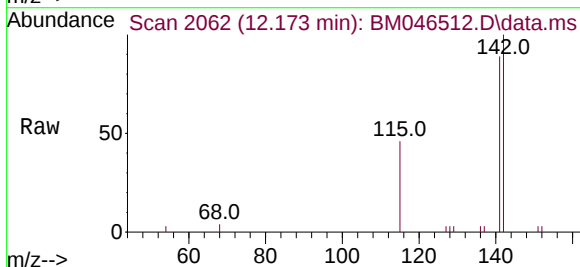
Instrument :
BNA_M
ClientSampleId :
E1GM5MS

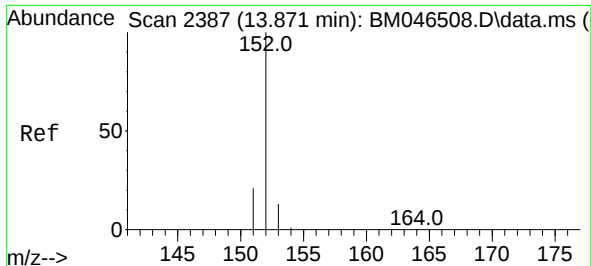
Tgt Ion:142 Resp: 2914
Ion Ratio Lower Upper
142 100
141 88.6 70.3 105.5



#8
1-Methylnaphthalene
Concen: 0.358 ng/ul
RT: 12.173 min Scan# 2062
Delta R.T. 0.000 min
Lab File: BM046512.D
Acq: 11 Jul 2024 11:41

Tgt Ion:142 Resp: 2908
Ion Ratio Lower Upper
142 100
141 91.1 73.9 110.9

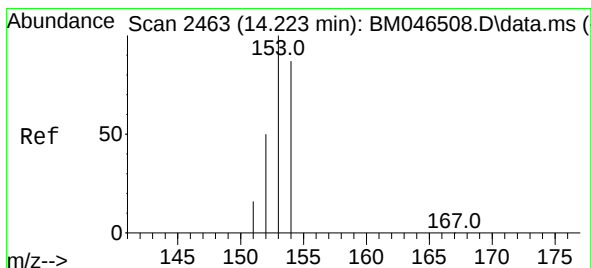
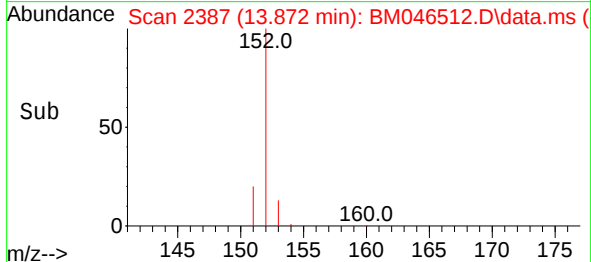
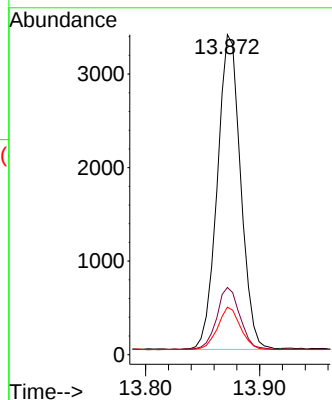
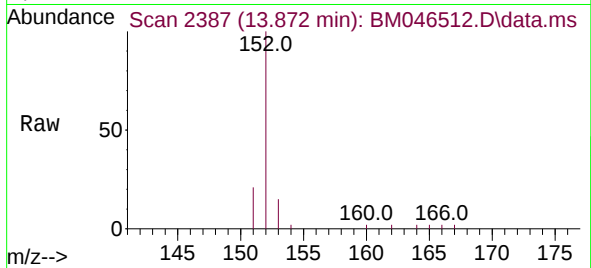




#10
Acenaphthylene
Concen: 0.357 ng/ul
RT: 13.872 min Scan# 2463
Delta R.T. 0.000 min
Lab File: BM046512.D
Acq: 11 Jul 2024 11:41

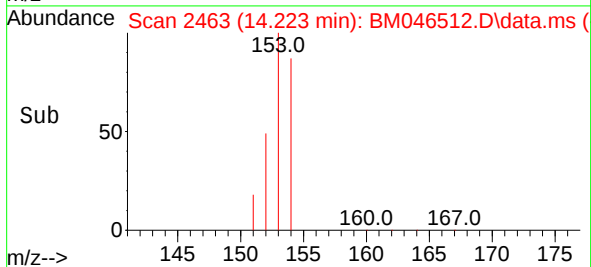
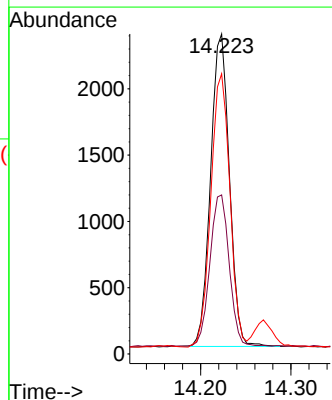
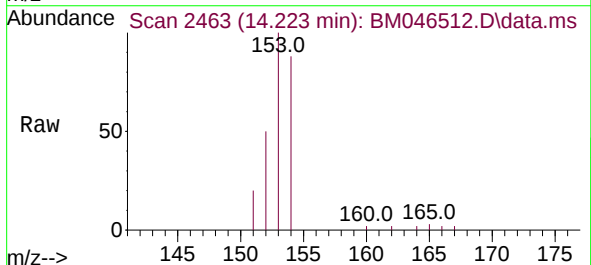
Instrument :
BNA_M
ClientSampleId :
E1GM5MS

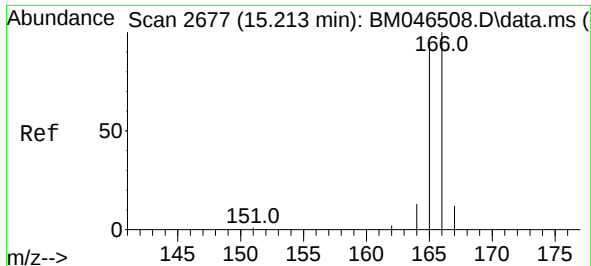
Tgt Ion:152 Resp: 4772
Ion Ratio Lower Upper
152 100
151 21.0 16.4 24.6
153 14.8 12.4 18.6



#11
Acenaphthene
Concen: 0.381 ng/ul
RT: 14.223 min Scan# 2463
Delta R.T. 0.000 min
Lab File: BM046512.D
Acq: 11 Jul 2024 11:41

Tgt Ion:153 Resp: 3412
Ion Ratio Lower Upper
153 100
152 49.7 43.0 64.6
154 87.6 69.9 104.9

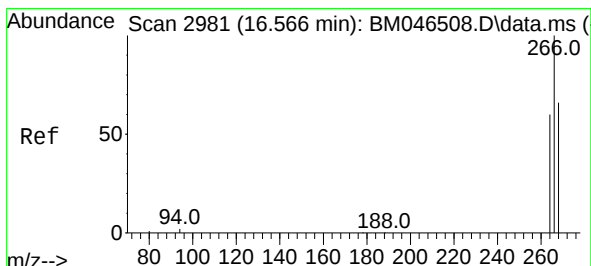
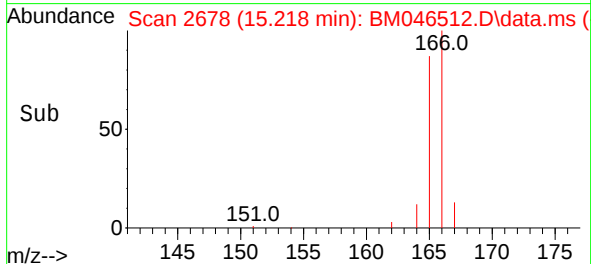
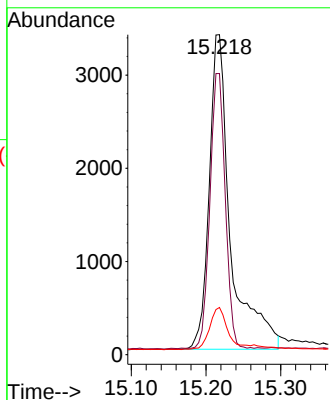
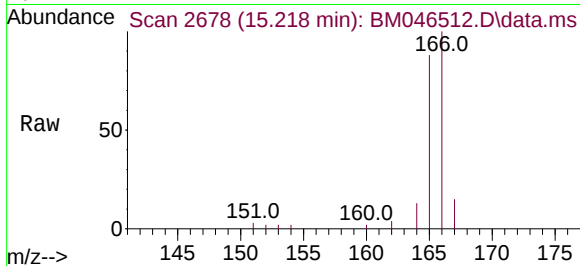




#12
Fluorene
Concen: 0.608 ng/ul
RT: 15.218 min Scan# 2077
Delta R.T. 0.005 min
Lab File: BM046512.D
Acq: 11 Jul 2024 11:41

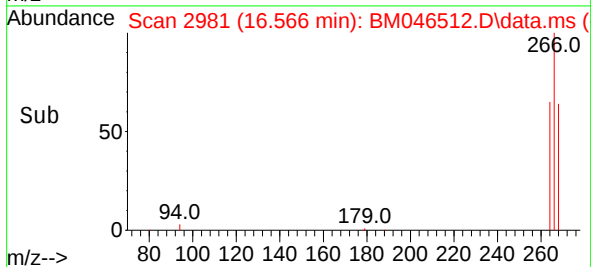
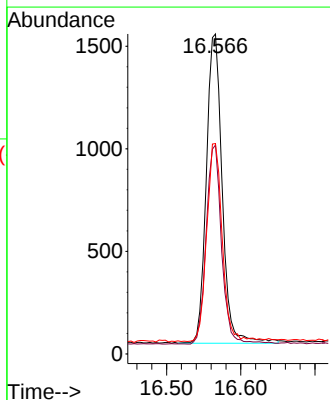
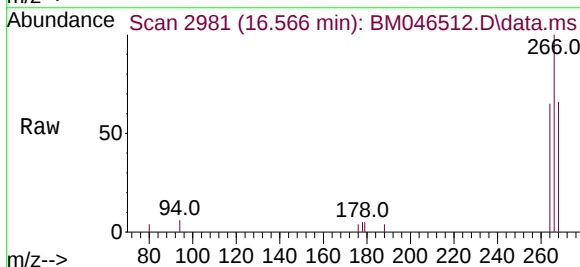
Instrument :
BNA_M
ClientSampleId :
E1GM5MS

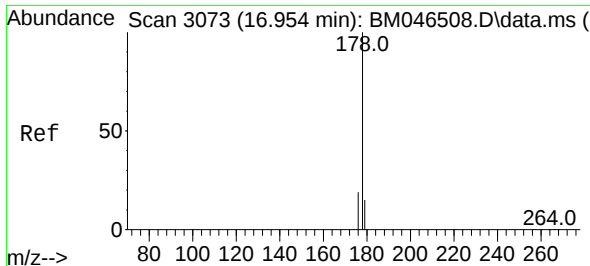
Tgt Ion:166 Resp: 6737
Ion Ratio Lower Upper
166 100
165 87.8 76.1 114.1
167 14.7 12.5 18.7



#14
Pentachlorophenol
Concen: 0.662 ng/ul
RT: 16.566 min Scan# 2981
Delta R.T. 0.000 min
Lab File: BM046512.D
Acq: 11 Jul 2024 11:41

Tgt Ion:266 Resp: 2235
Ion Ratio Lower Upper
266 100
264 62.6 50.1 75.1
268 63.2 52.5 78.7





#15

Phenanthrene

Concen: 0.383 ng/ul

RT: 16.950 min Scan# 3073

Delta R.T. -0.004 min

Lab File: BM046512.D

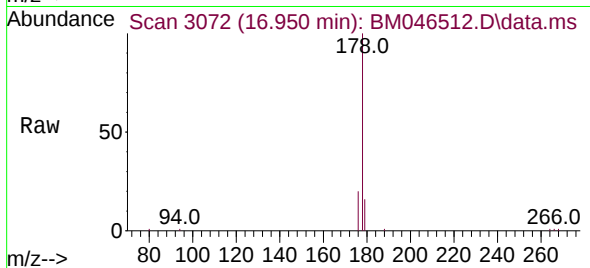
Acq: 11 Jul 2024 11:41

Instrument :

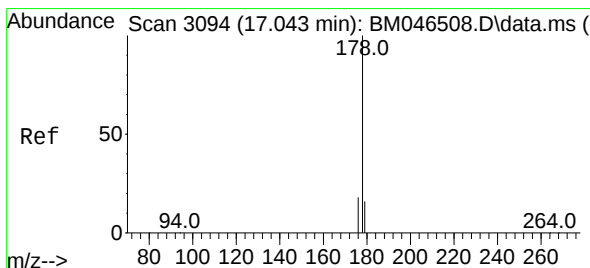
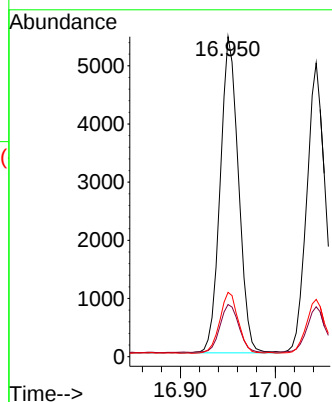
BNA_M

ClientSampleId :

E1GM5MS



Tgt Ion:	178	Resp:	7282
Ion	Ratio	Lower	Upper
178	100		
179	16.3	13.1	19.7
176	20.1	16.0	24.0



#16

Anthracene

Concen: 0.363 ng/ul

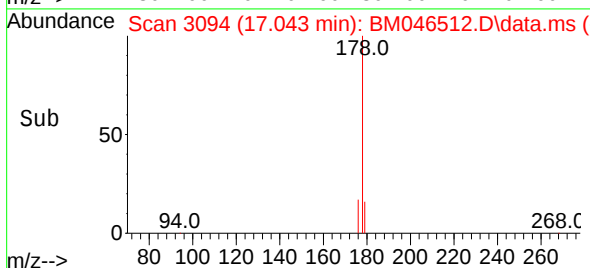
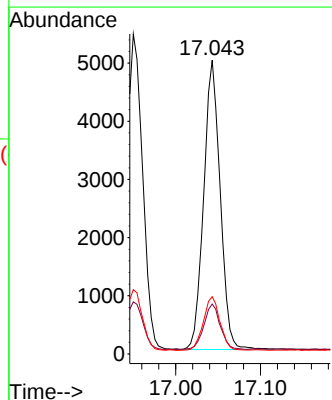
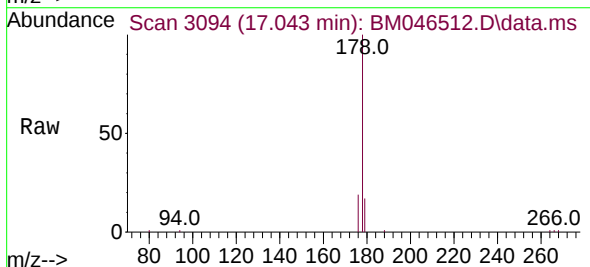
RT: 17.043 min Scan# 3094

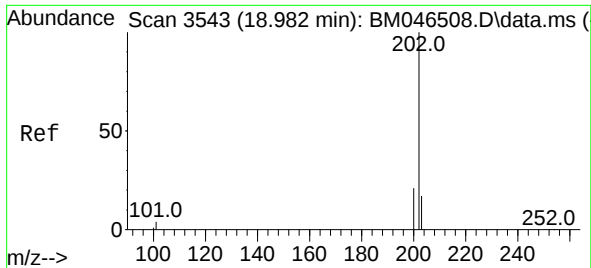
Delta R.T. 0.000 min

Lab File: BM046512.D

Acq: 11 Jul 2024 11:41

Tgt Ion:	178	Resp:	6732
Ion	Ratio	Lower	Upper
178	100		
179	17.0	13.5	20.3
176	19.5	15.7	23.5

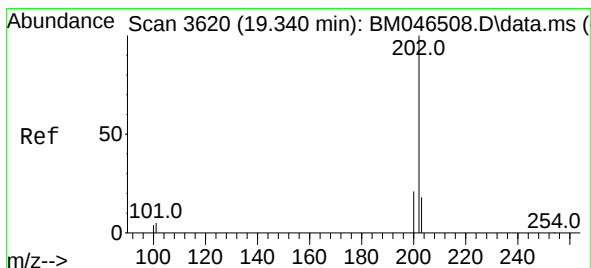
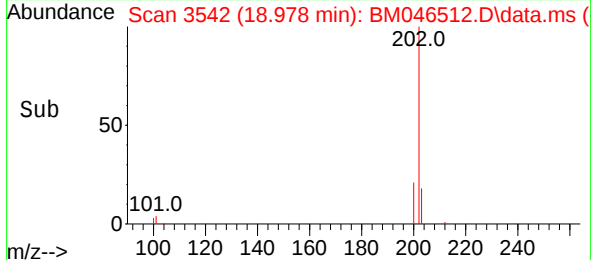
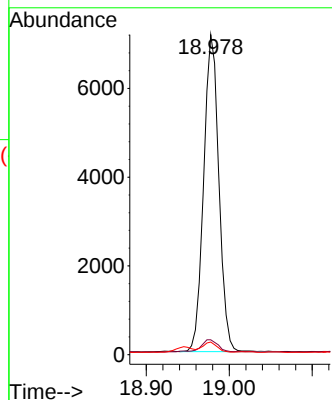
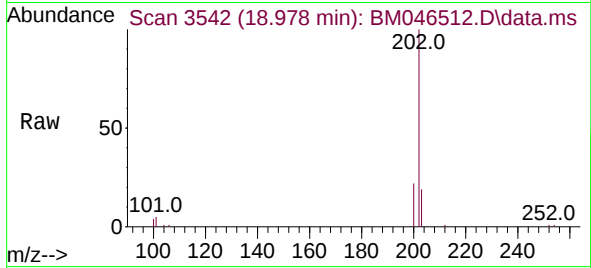




#19
Fluoranthene
Concen: 0.388 ng/ul
RT: 18.978 min Scan# 3542
Delta R.T. -0.004 min
Lab File: BM046512.D
Acq: 11 Jul 2024 11:41

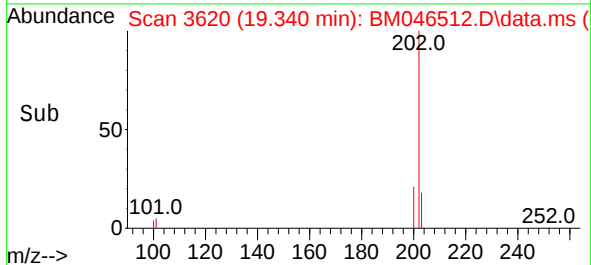
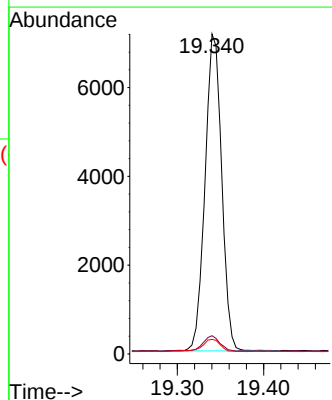
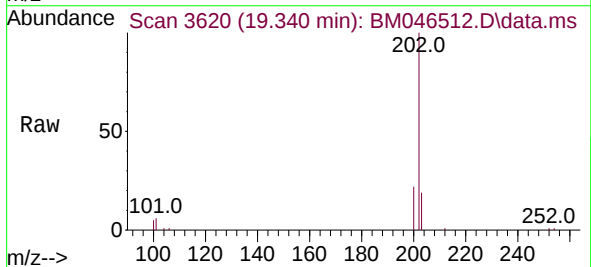
Instrument :
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E1GM5MS

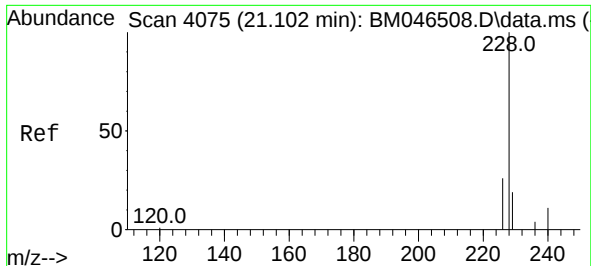
Tgt Ion:202 Resp: 9112
Ion Ratio Lower Upper
202 100
101 4.7 4.6 6.8
100 4.0 3.0 4.6



#20
Pyrene
Concen: 0.376 ng/ul
RT: 19.340 min Scan# 3620
Delta R.T. 0.000 min
Lab File: BM046512.D
Acq: 11 Jul 2024 11:41

Tgt Ion:202 Resp: 9572
Ion Ratio Lower Upper
202 100
101 5.7 5.1 7.7
100 4.6 3.8 5.6

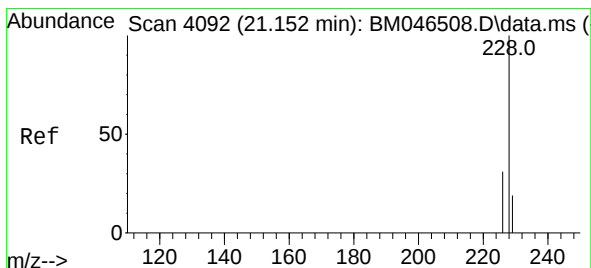
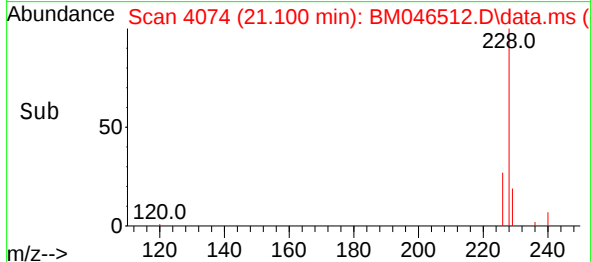
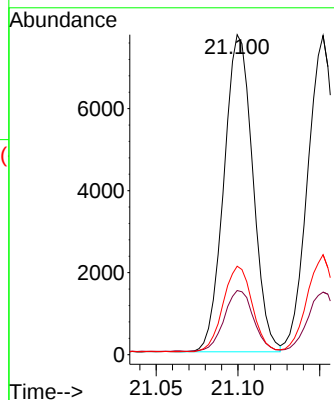
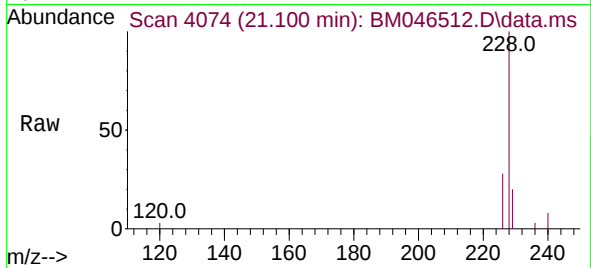




#21
Benzo(a)anthracene
Concen: 0.375 ng/ul
RT: 21.100 min Scan# 4074
Delta R.T. -0.003 min
Lab File: BM046512.D
Acq: 11 Jul 2024 11:41

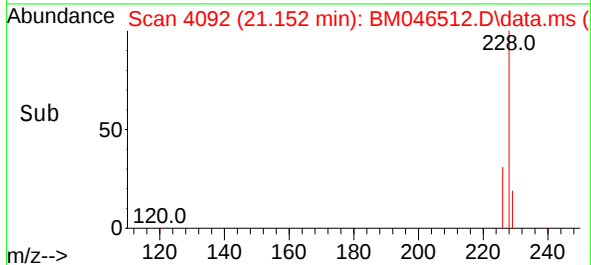
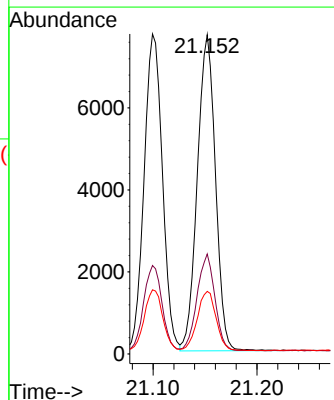
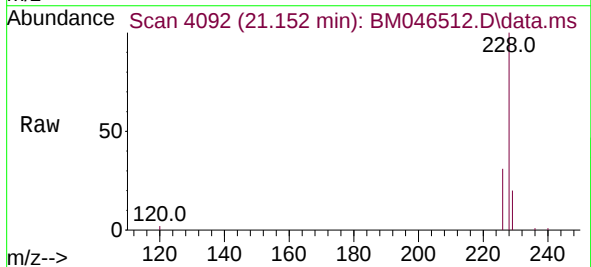
Instrument :
BNA_M
ClientSampleId :
E1GM5MS

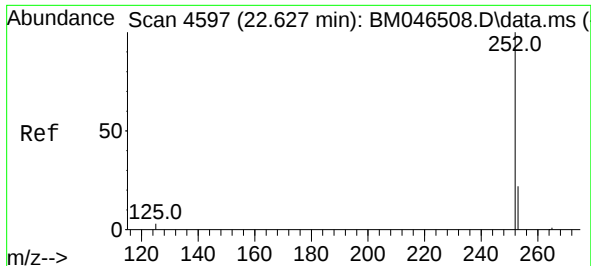
Tgt Ion:228 Resp: 9494
Ion Ratio Lower Upper
228 100
229 20.0 16.5 24.7
226 27.7 22.5 33.7



#22
Chrysene
Concen: 0.381 ng/ul
RT: 21.152 min Scan# 4092
Delta R.T. 0.000 min
Lab File: BM046512.D
Acq: 11 Jul 2024 11:41

Tgt Ion:228 Resp: 9328
Ion Ratio Lower Upper
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226 31.3 24.3 36.5
229 19.6 16.4 24.6

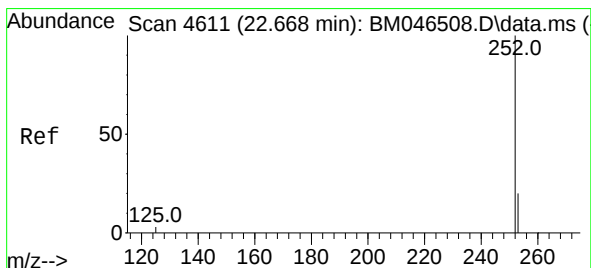
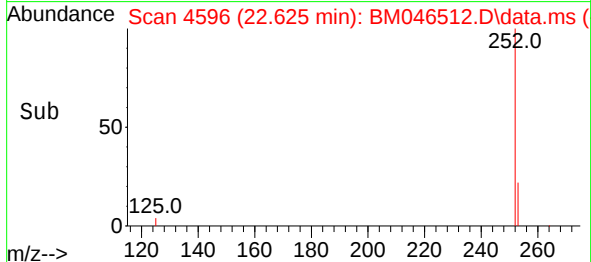
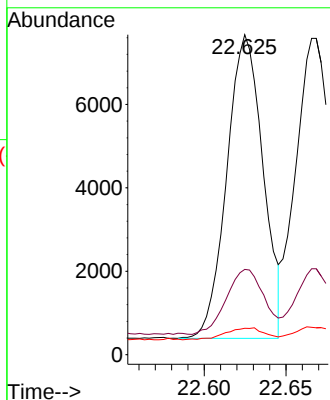
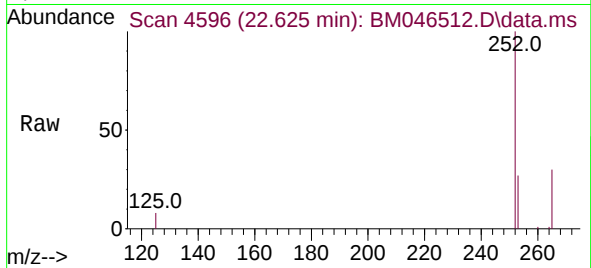




#24
Benzo(b)fluoranthene
Concen: 0.369 ng/ul
RT: 22.625 min Scan# 4596
Delta R.T. -0.003 min
Lab File: BM046512.D
Acq: 11 Jul 2024 11:41

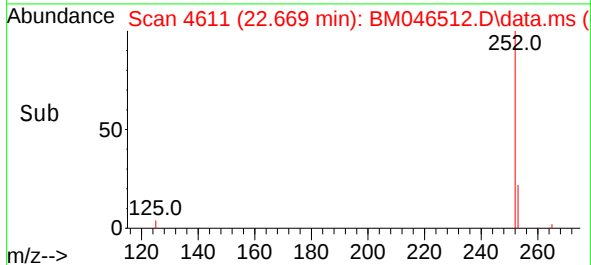
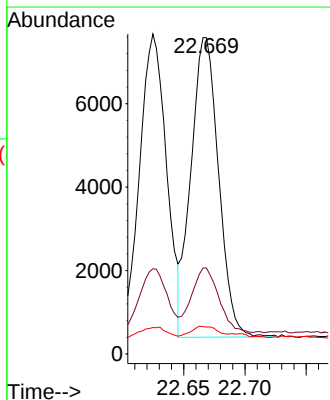
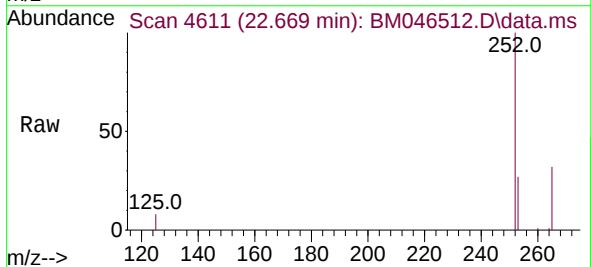
Instrument :
BNA_M
ClientSampleId :
E1GM5MS

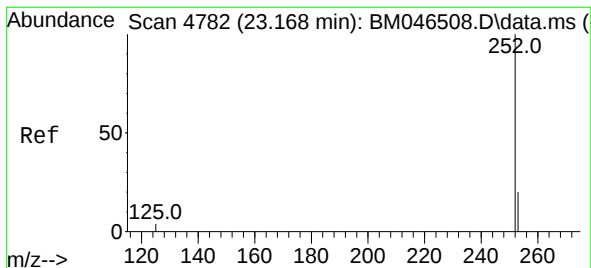
Tgt Ion:252 Resp: 11226
Ion Ratio Lower Upper
252 100
253 26.7 0.0 56.2
125 8.2 0.0 17.8



#25
Benzo(k)fluoranthene
Concen: 0.377 ng/ul
RT: 22.669 min Scan# 4611
Delta R.T. 0.000 min
Lab File: BM046512.D
Acq: 11 Jul 2024 11:41

Tgt Ion:252 Resp: 11282
Ion Ratio Lower Upper
252 100
253 27.1 22.4 33.6
125 8.5 7.0 10.4





#26

Benzo(a)pyrene

Concen: 0.400 ng/ul

RT: 23.166 min Scan# 41

Delta R.T. -0.003 min

Lab File: BM046512.D

Acq: 11 Jul 2024 11:41

Instrument :

BNA_M

ClientSampleId :

E1GM5MS

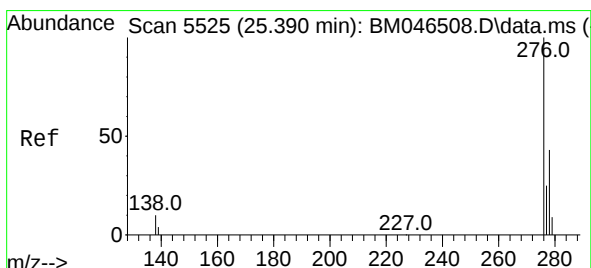
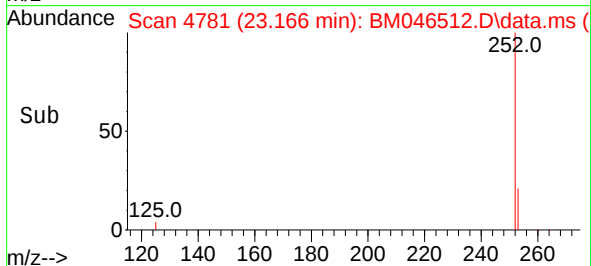
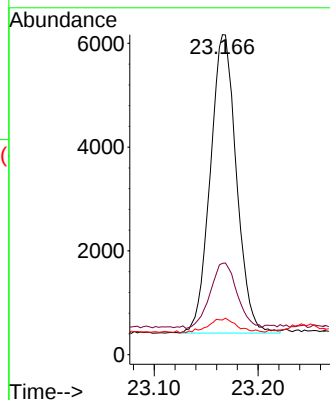
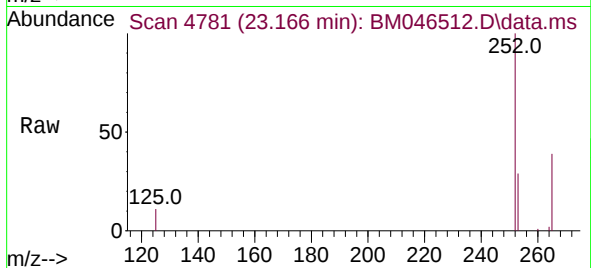
Tgt Ion:252 Resp: 10034

Ion Ratio Lower Upper

252 100

253 28.6 24.0 36.0

125 10.9 8.2 12.2



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.434 ng/ul

RT: 25.387 min Scan# 5524

Delta R.T. -0.003 min

Lab File: BM046512.D

Acq: 11 Jul 2024 11:41

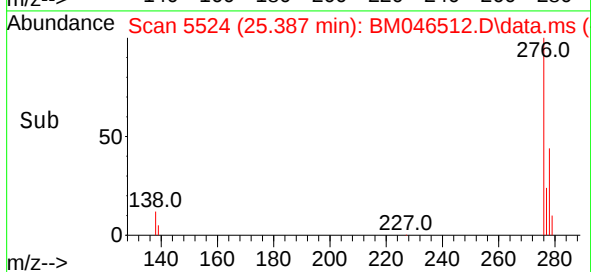
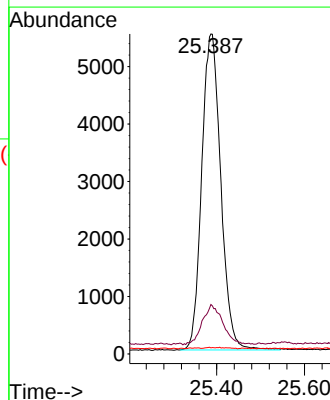
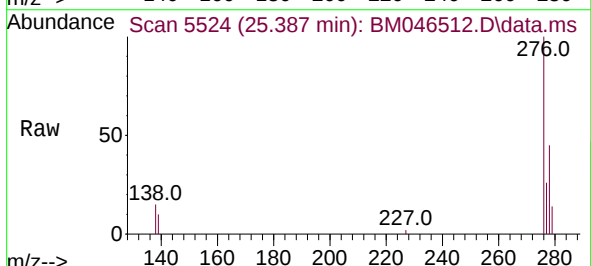
Tgt Ion:276 Resp: 16542

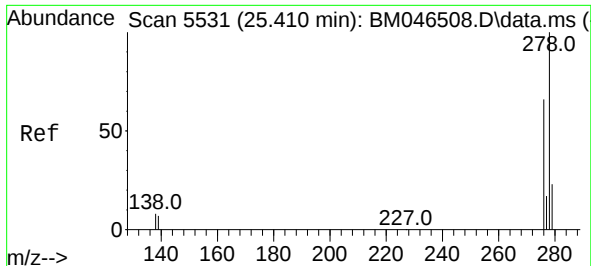
Ion Ratio Lower Upper

276 100

138 13.9 0.0 0.0#

227 0.1 0.2 0.2#

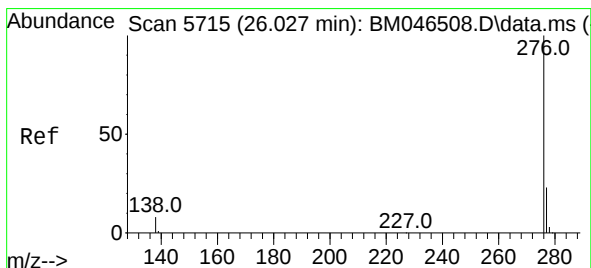
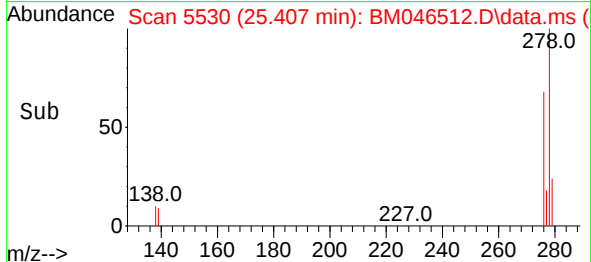
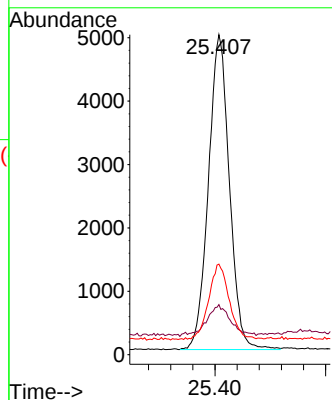
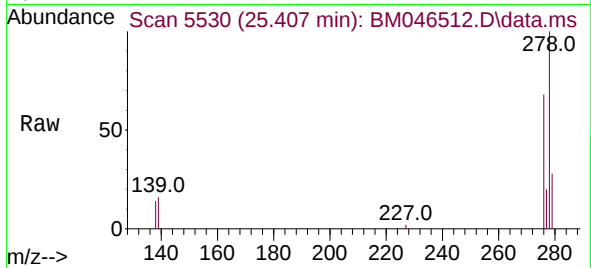




#28
Dibenzo(a,h)anthracene
Concen: 0.433 ng/ul
RT: 25.407 min Scan# 51
Delta R.T. -0.003 min
Lab File: BM046512.D
Acq: 11 Jul 2024 11:41

Instrument :
BNA_M
ClientSampleId :
E1GM5MS

Tgt Ion:278 Resp: 13062
Ion Ratio Lower Upper
278 100
139 15.7 9.1 13.7#
279 28.3 23.2 34.8



#29
Benzo(g,h,i)perylene
Concen: 0.446 ng/ul
RT: 26.031 min Scan# 5716
Delta R.T. 0.004 min
Lab File: BM046512.D
Acq: 11 Jul 2024 11:41

Tgt Ion:276 Resp: 13577
Ion Ratio Lower Upper
276 100
138 13.9 10.2 15.4
277 25.9 20.9 31.3

