

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071224\
 Data File : BM046580.D
 Acq On : 13 Jul 2024 13:15
 Operator : MA/JU
 Sample : P3088-17
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4D12

Quant Time: Jul 15 09:01:53 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 : Mon Jul 15 08:57:27 2024
 Response via : Initial Calibration

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

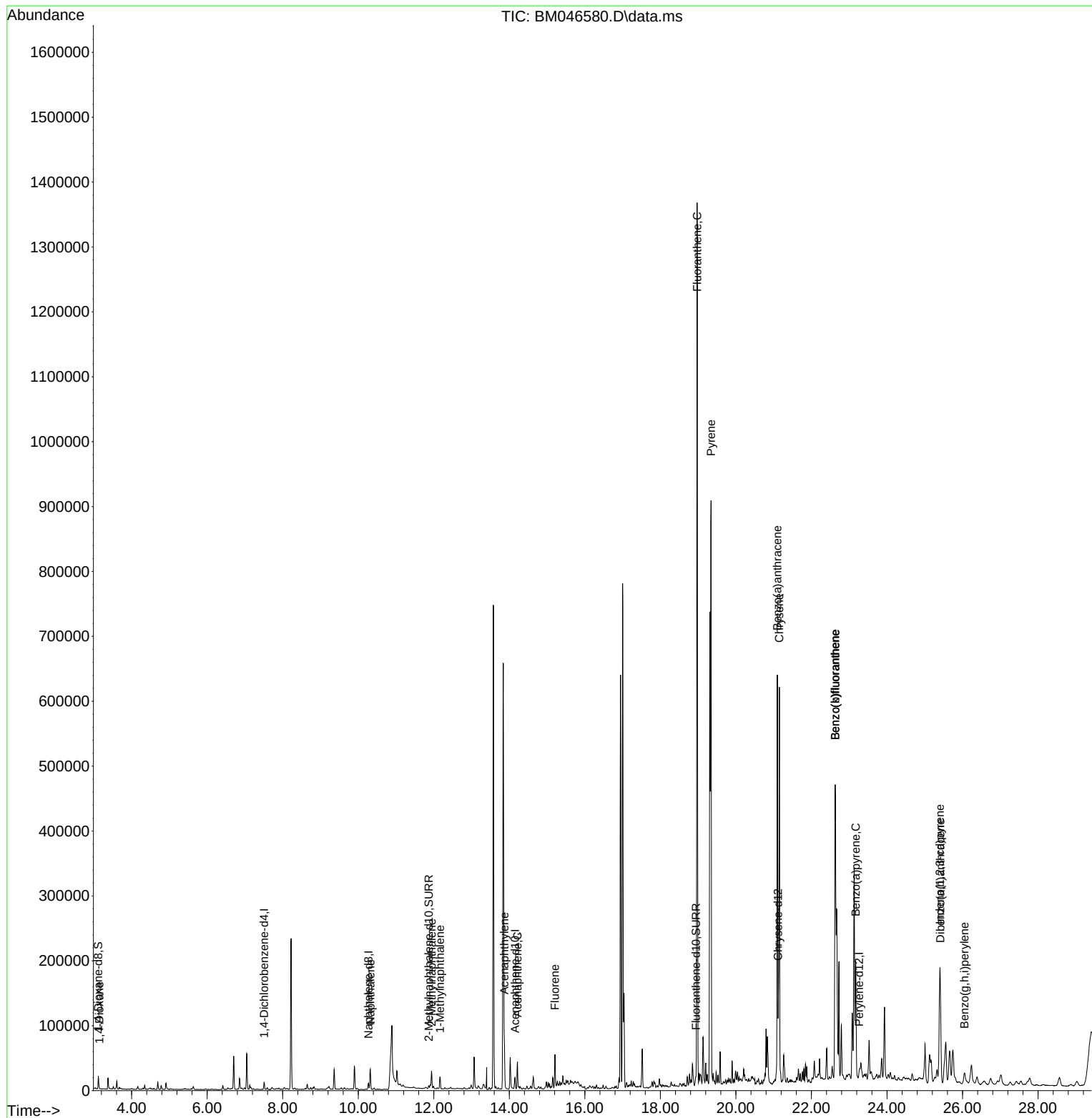
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.510	152	4710	0.400	ng/ul	0.00
4) Naphthalene-d8	10.270	136	12752	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.149	164	8268	0.400	ng/ul	0.00
13) Phenanthrene-d10	0.000	188	0	0.000	ng/ul	-16.90
17) Chrysene-d12	21.114	240	8479	0.400	ng/ul	# 0.00
23) Perylene-d12	23.262	264	11241	0.400	ng/ul	# 0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.117	96	11876	3.069	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.870	152	5582	0.271	ng/ul	0.00
18) Fluoranthene-d10	18.945	212	11027	0.427	ng/ul	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.143	88	87	0.021	ng/ul#	1
5) Naphthalene	10.319	128	30891	0.952	ng/ul	95
7) 2-Methylnaphthalene	11.942	142	16609	0.729	ng/ul	99
8) 1-Methylnaphthalene	12.167	142	12608	0.542	ng/ul	100
10) Acenaphthylene	13.867	152	78977	2.098	ng/ul	97
11) Acenaphthene	14.214	153	23994	0.952	ng/ul	97
12) Fluorene	15.209	166	35485	1.137	ng/ul	98
19) Fluoranthene	18.973	202	1212873	34.825	ng/ul	99
20) Pyrene	19.340	202	807695	21.420	ng/ul	99
21) Benzo(a)anthracene	21.096	228	510285	13.604	ng/ul	97
22) Chrysene	21.149	228	560462	15.442	ng/ul	98
24) Benzo(b)fluoranthene	22.628	252	1030944	22.961	ng/ul	92
25) Benzo(k)fluoranthene	22.628	252	1030944	23.387	ng/ul	92
26) Benzo(a)pyrene	23.171	252	244039	6.604	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	25.400	276	261421	4.649	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.414	278	97012	2.179	ng/ul#	92
29) Benzo(g,h,i)perylene	26.054	276	36093	0.804	ng/ul#	78

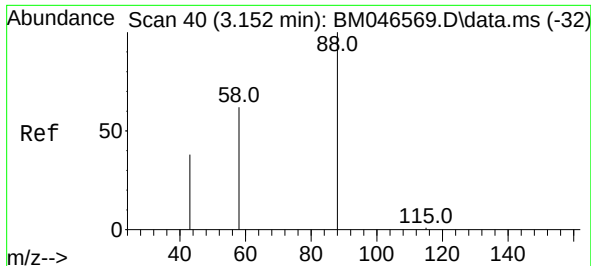
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 15 09:01:53 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 : Mon Jul 15 08:57:27 2024
Response via : Initial Calibration

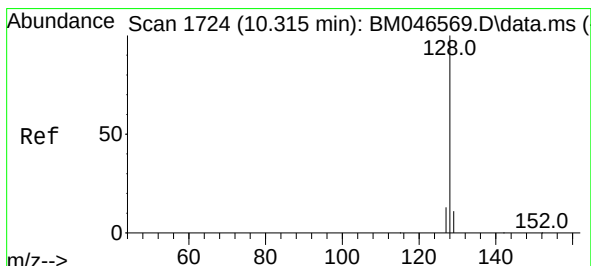
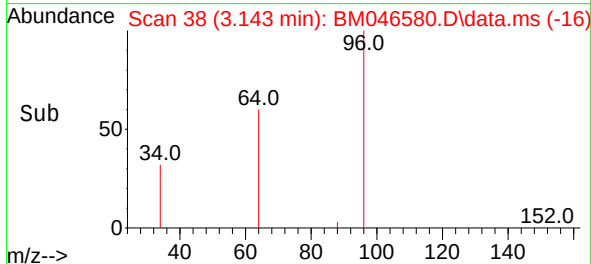
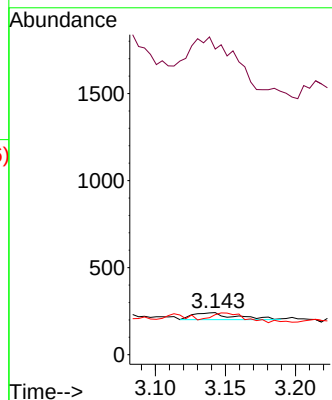
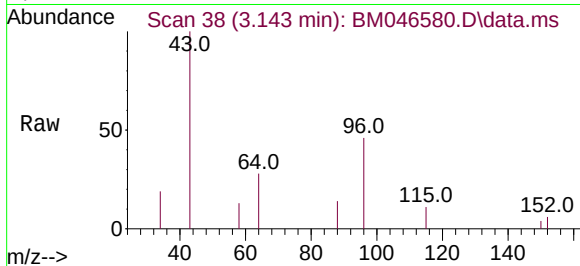




#2
1,4-Dioxane
Concen: 0.021 ng/ul
RT: 3.143 min Scan# 30
Delta R.T. -0.009 min
Lab File: BM046580.D
Acq: 13 Jul 2024 13:15

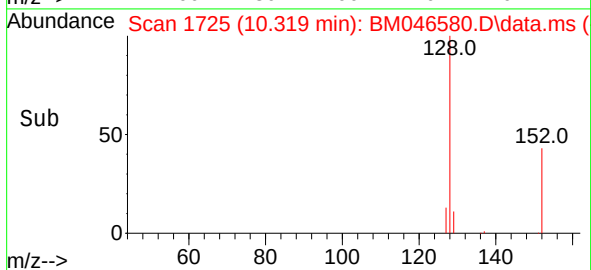
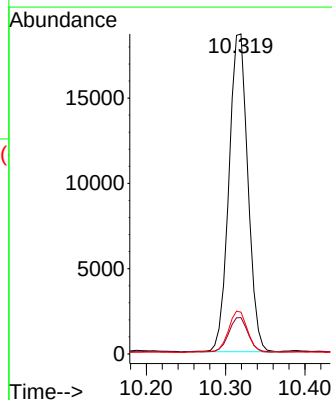
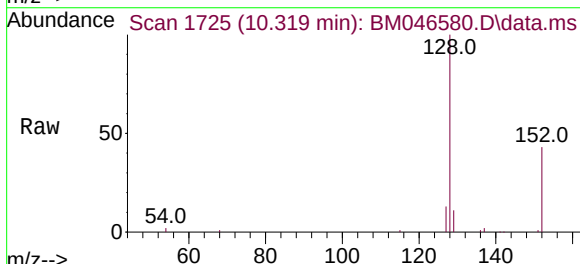
Instrument :
BNA_M
ClientSampleId :
A4D12

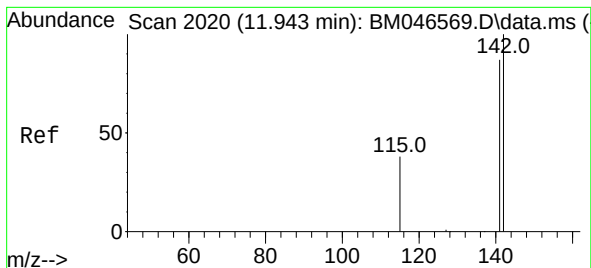
Tgt Ion: 88 Resp: 87
Ion Ratio Lower Upper
88 100
43 725.2 70.2 105.4#
58 95.0 48.2 72.4#



#5
Naphthalene
Concen: 0.952 ng/ul
RT: 10.319 min Scan# 1725
Delta R.T. 0.004 min
Lab File: BM046580.D
Acq: 13 Jul 2024 13:15

Tgt Ion: 128 Resp: 30891
Ion Ratio Lower Upper
128 100
129 11.3 10.3 15.5
127 13.1 12.2 18.4

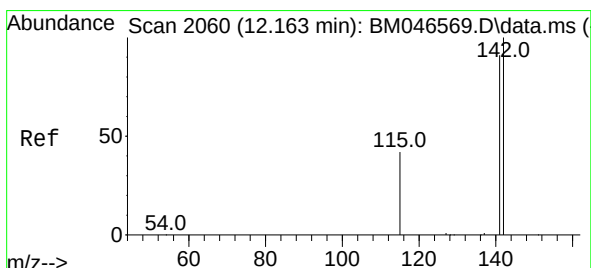
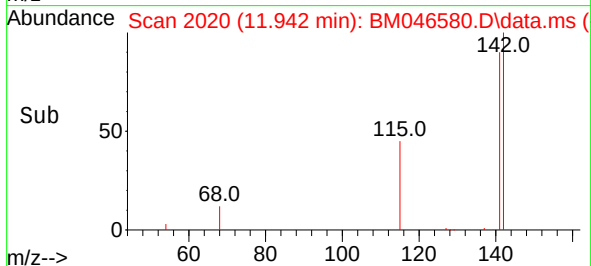
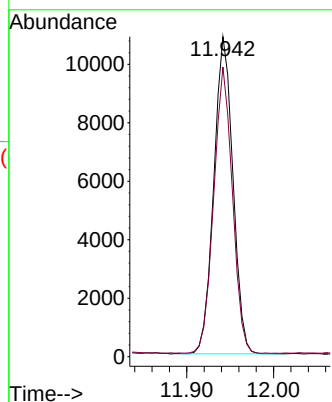
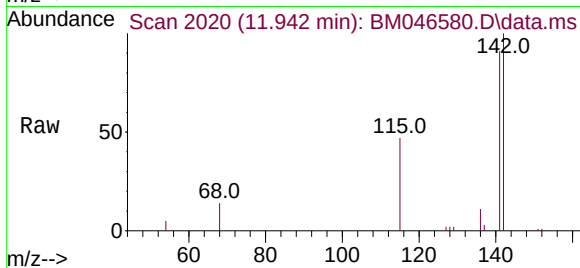




#7
2-Methylnaphthalene
Concen: 0.729 ng/ul
RT: 11.942 min Scan# 2020
Delta R.T. -0.002 min
Lab File: BM046580.D
Acq: 13 Jul 2024 13:15

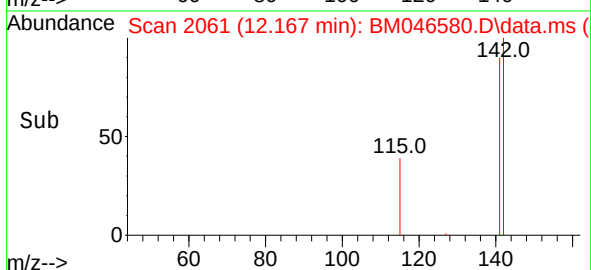
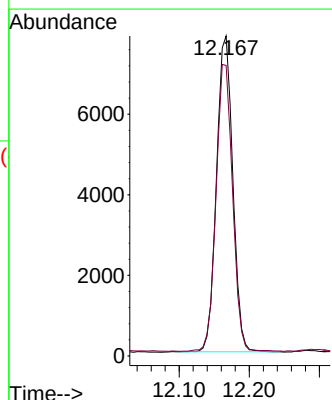
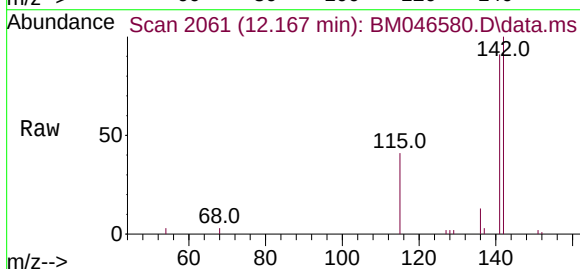
Instrument :
BNA_M
ClientSampleId :
A4D12

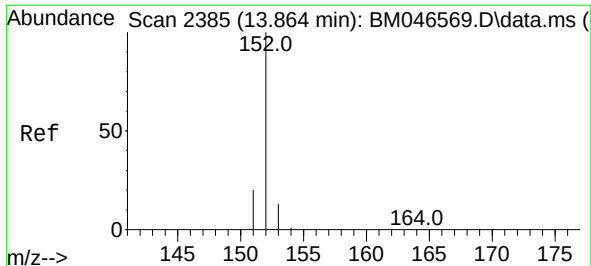
Tgt Ion:142 Resp: 16609
Ion Ratio Lower Upper
142 100
141 88.4 70.3 105.5



#8
1-Methylnaphthalene
Concen: 0.542 ng/ul
RT: 12.167 min Scan# 2061
Delta R.T. 0.004 min
Lab File: BM046580.D
Acq: 13 Jul 2024 13:15

Tgt Ion:142 Resp: 12608
Ion Ratio Lower Upper
142 100
141 92.0 73.9 110.9

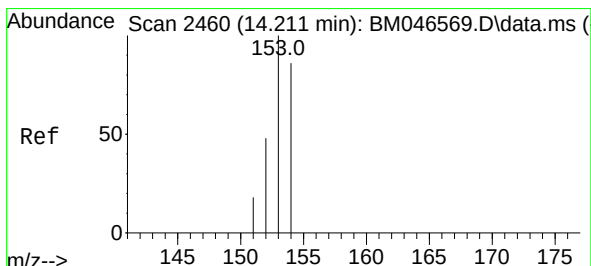
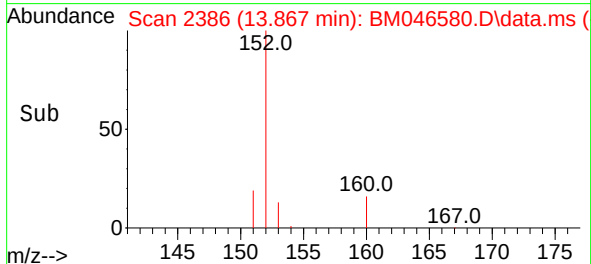
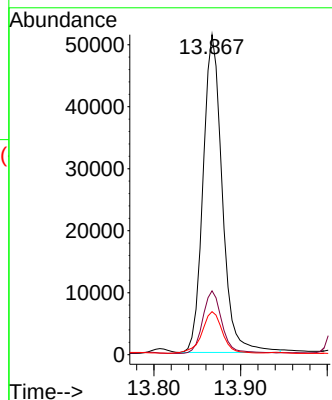
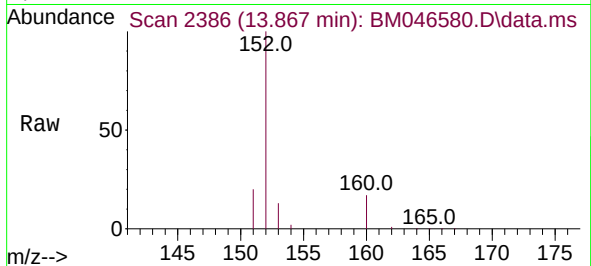




#10
Acenaphthylene
Concen: 2.098 ng/ul
RT: 13.867 min Scan# 2410
Delta R.T. 0.003 min
Lab File: BM046580.D
Acq: 13 Jul 2024 13:15

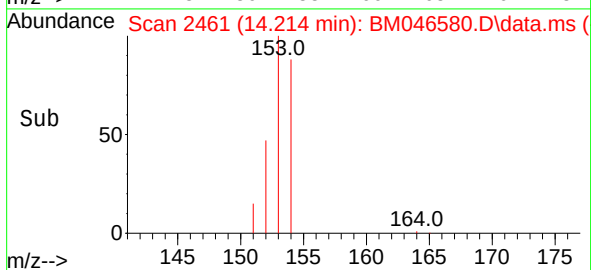
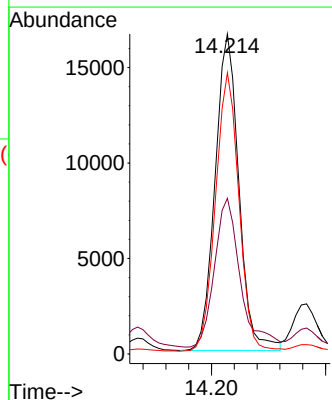
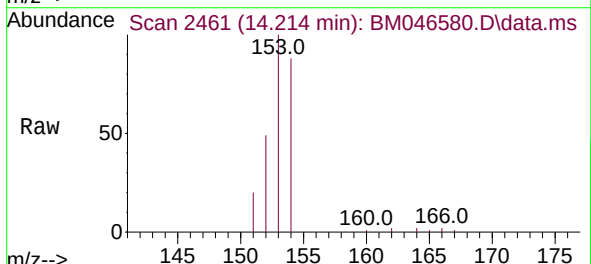
Instrument :
BNA_M
ClientSampleId :
A4D12

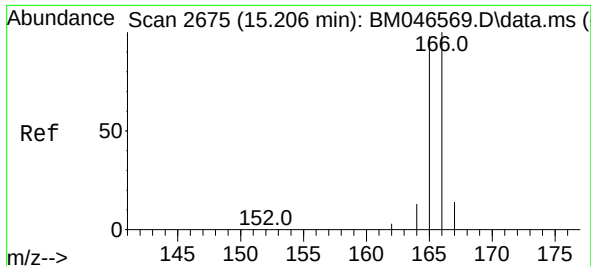
Tgt Ion:152 Resp: 78977
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 13.5 12.4 18.6



#11
Acenaphthene
Concen: 0.952 ng/ul
RT: 14.214 min Scan# 2461
Delta R.T. 0.003 min
Lab File: BM046580.D
Acq: 13 Jul 2024 13:15

Tgt Ion:153 Resp: 23994
Ion Ratio Lower Upper
153 100
152 48.6 43.0 64.6
154 87.8 69.9 104.9

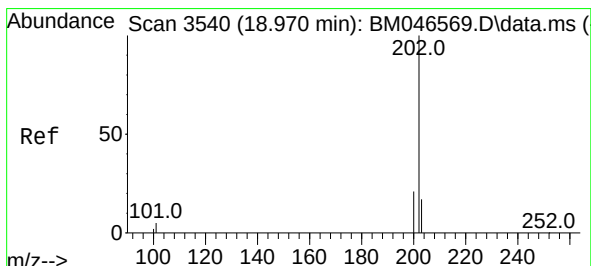
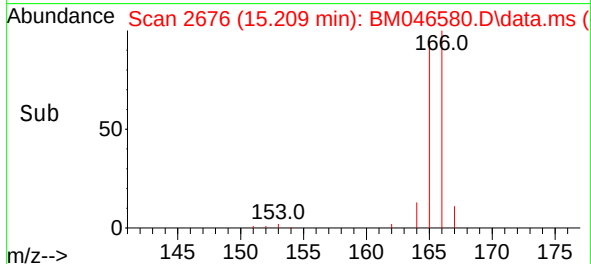
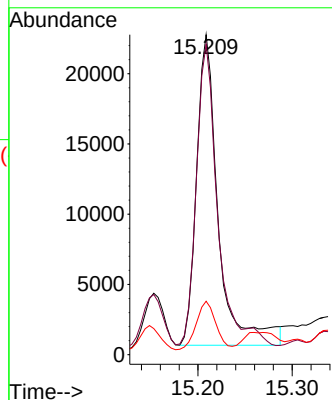
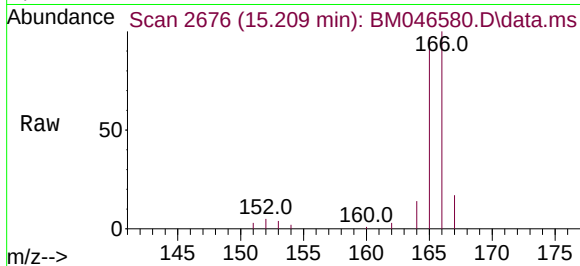




#12
Fluorene
Concen: 1.137 ng/ul
RT: 15.209 min Scan# 20
Delta R.T. 0.003 min
Lab File: BM046580.D
Acq: 13 Jul 2024 13:15

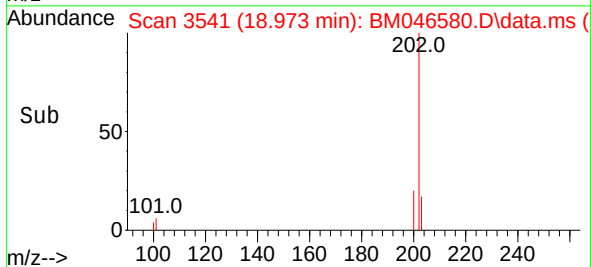
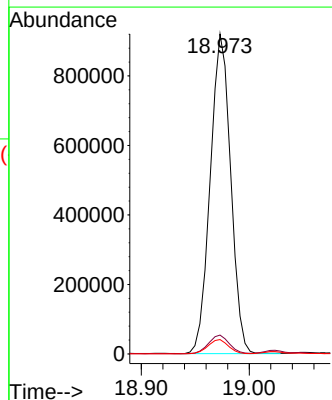
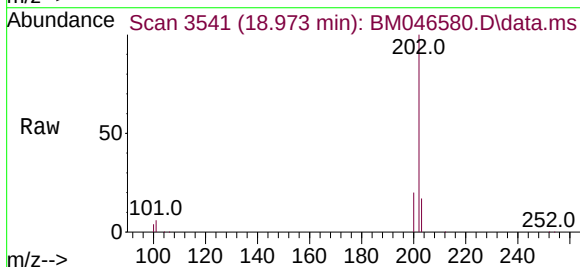
Instrument :
BNA_M
ClientSampleId :
A4D12

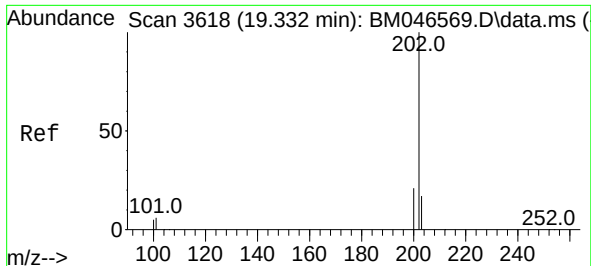
Tgt Ion:166 Resp: 35485
Ion Ratio Lower Upper
166 100
165 97.0 76.1 114.1
167 16.7 12.5 18.7



#19
Fluoranthene
Concen: 34.825 ng/ul
RT: 18.973 min Scan# 3541
Delta R.T. 0.003 min
Lab File: BM046580.D
Acq: 13 Jul 2024 13:15

Tgt Ion:202 Resp: 1212873
Ion Ratio Lower Upper
202 100
101 5.9 4.6 6.8
100 4.5 3.0 4.6

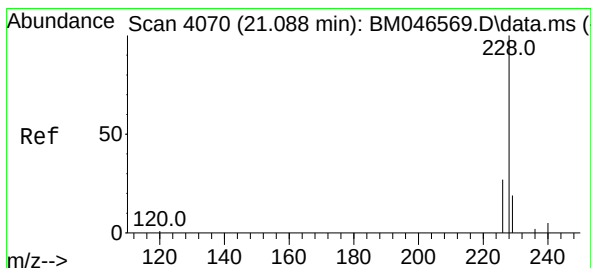
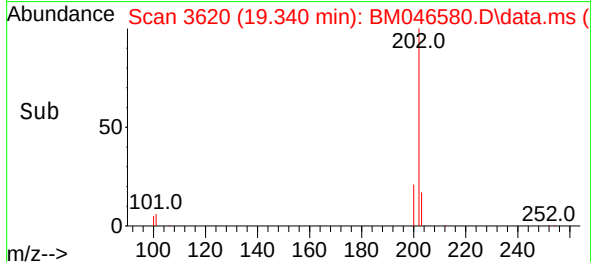
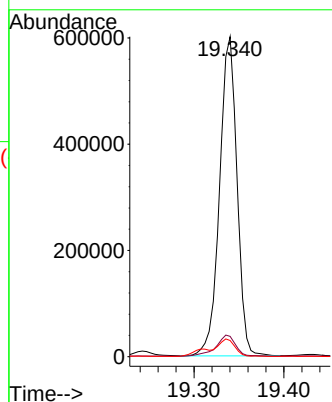
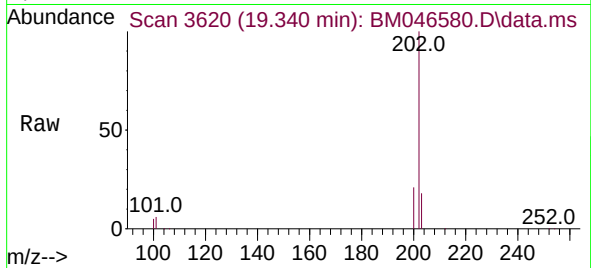




#20
Pyrene
Concen: 21.420 ng/ul
RT: 19.340 min Scan# 3618
Delta R.T. 0.008 min
Lab File: BM046580.D
Acq: 13 Jul 2024 13:15

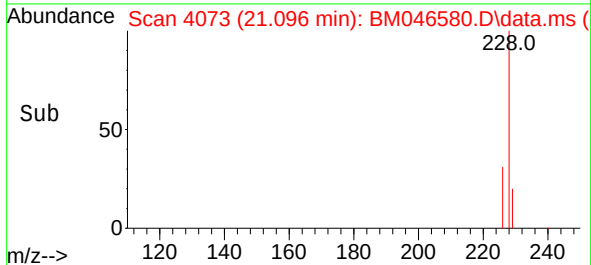
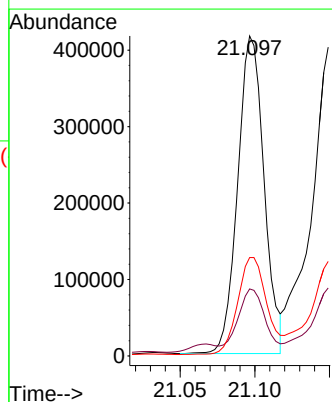
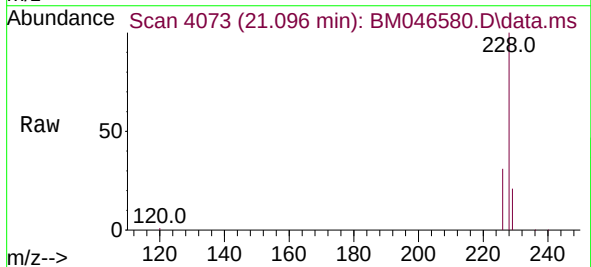
Instrument :
BNA_M
ClientSampleId :
A4D12

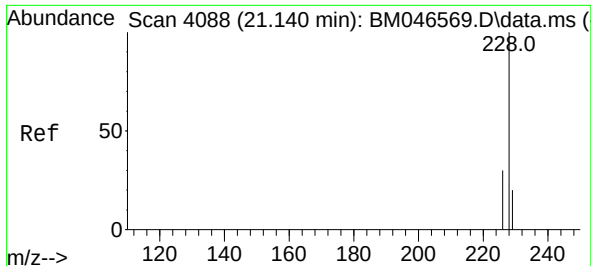
Tgt Ion:202 Resp: 807695
Ion Ratio Lower Upper
202 100
101 6.4 5.1 7.7
100 5.1 3.8 5.6



#21
Benzo(a)anthracene
Concen: 13.604 ng/ul
RT: 21.096 min Scan# 4073
Delta R.T. 0.009 min
Lab File: BM046580.D
Acq: 13 Jul 2024 13:15

Tgt Ion:228 Resp: 510285
Ion Ratio Lower Upper
228 100
229 21.0 16.5 24.7
226 30.8 22.5 33.7





#22

Chrysene

Concen: 15.442 ng/ul

RT: 21.149 min Scan# 4088

Delta R.T. 0.009 min

Lab File: BM046580.D

Acq: 13 Jul 2024 13:15

Instrument :

BNA_M

ClientSampleId :

A4D12

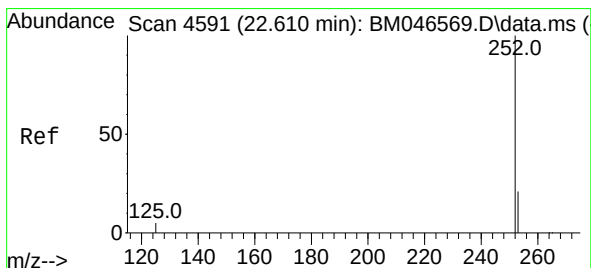
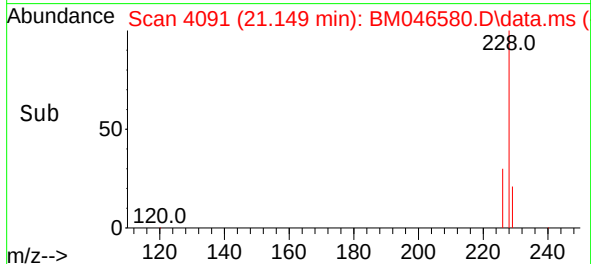
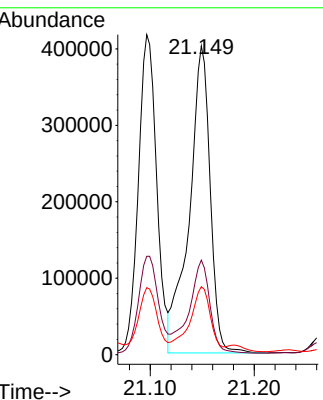
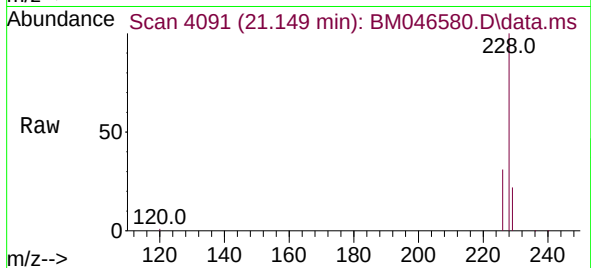
Tgt Ion:228 Resp: 560462

Ion Ratio Lower Upper

228 100

226 30.6 24.3 36.5

229 22.0 16.4 24.6



#24

Benzo(b)fluoranthene

Concen: 22.961 ng/ul

RT: 22.628 min Scan# 4597

Delta R.T. 0.018 min

Lab File: BM046580.D

Acq: 13 Jul 2024 13:15

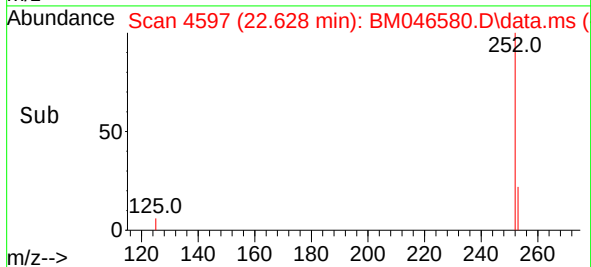
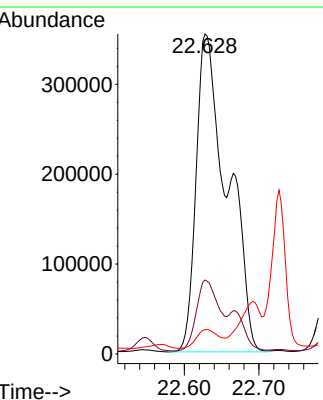
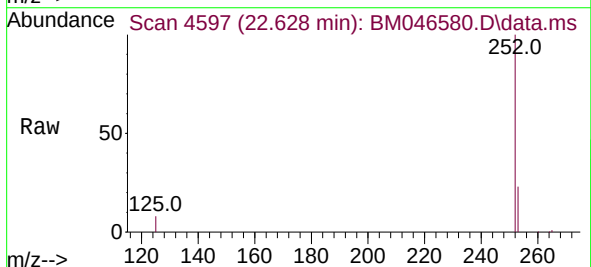
Tgt Ion:252 Resp: 1030944

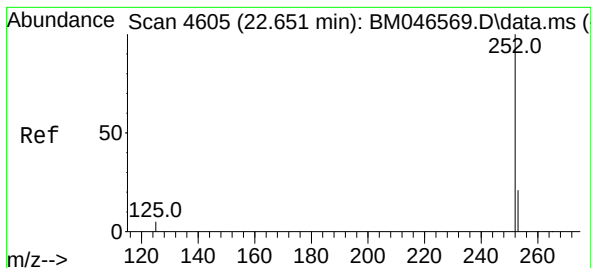
Ion Ratio Lower Upper

252 100

253 23.1 0.0 56.2

125 7.6 0.0 17.8





#25

Benzo(k)fluoranthene

Concen: 23.387 ng/ul

RT: 22.628 min Scan# 4

Delta R.T. -0.023 min

Lab File: BM046580.D

Acq: 13 Jul 2024 13:15

Instrument :

BNA_M

ClientSampleId :

A4D12

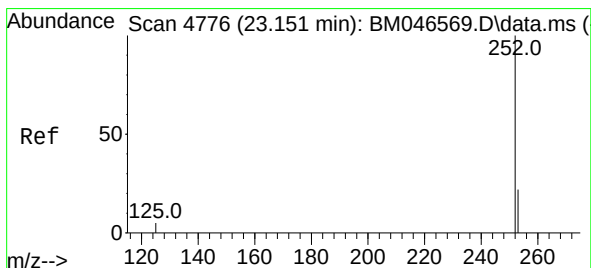
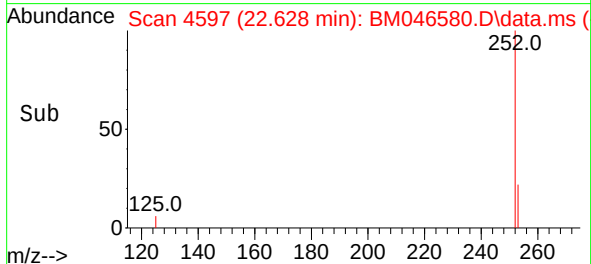
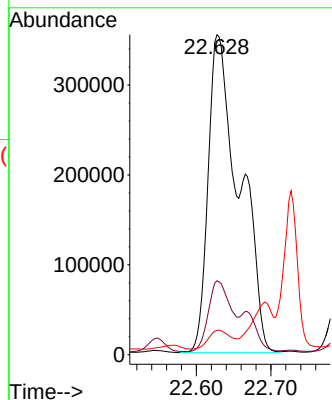
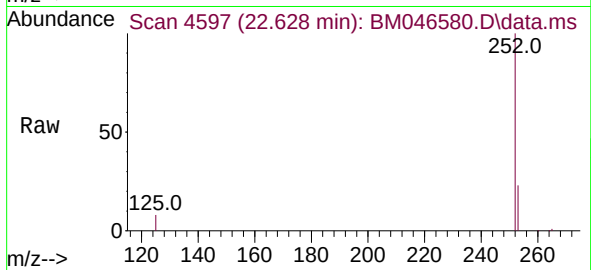
Tgt Ion:252 Resp: 1030944

Ion Ratio Lower Upper

252 100

253 23.1 22.4 33.6

125 7.6 7.0 10.4



#26

Benzo(a)pyrene

Concen: 6.604 ng/ul

RT: 23.171 min Scan# 4783

Delta R.T. 0.020 min

Lab File: BM046580.D

Acq: 13 Jul 2024 13:15

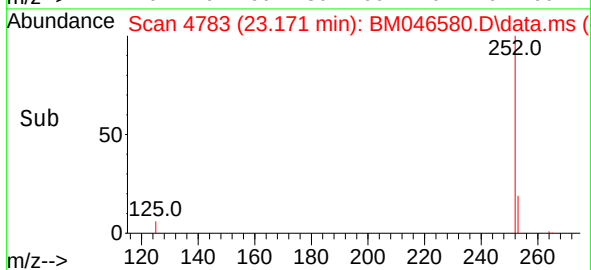
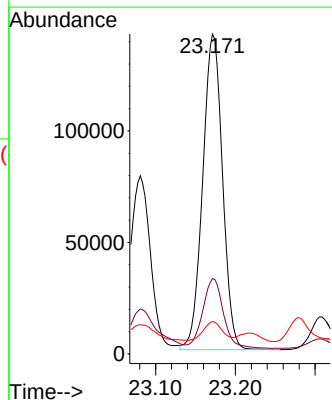
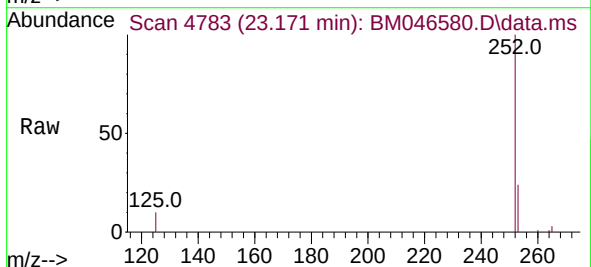
Tgt Ion:252 Resp: 244039

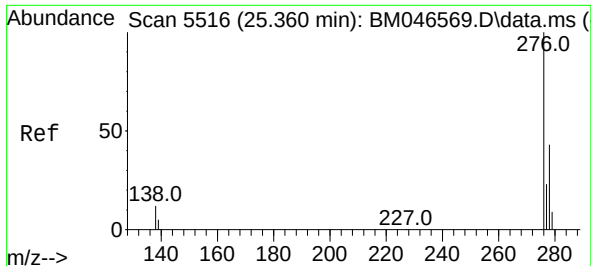
Ion Ratio Lower Upper

252 100

253 23.6 24.0 36.0#

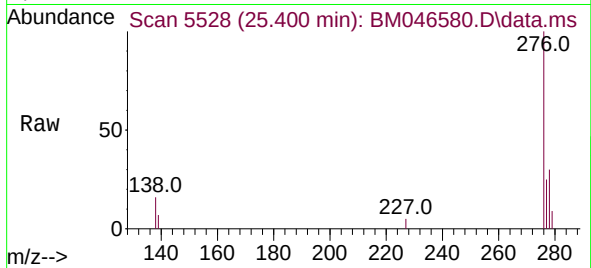
125 10.2 8.2 12.2



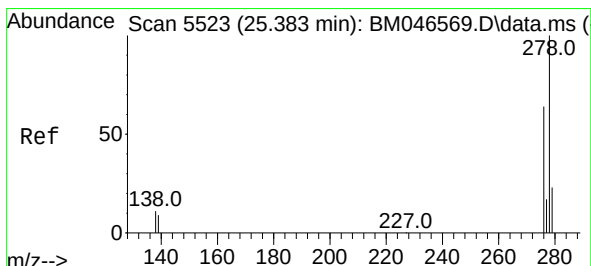
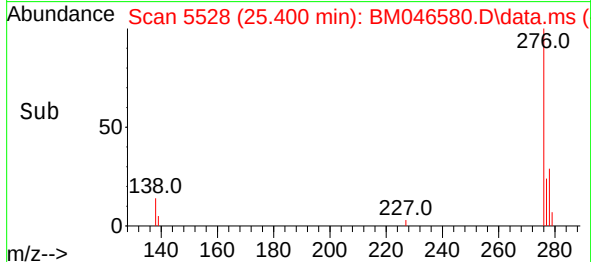
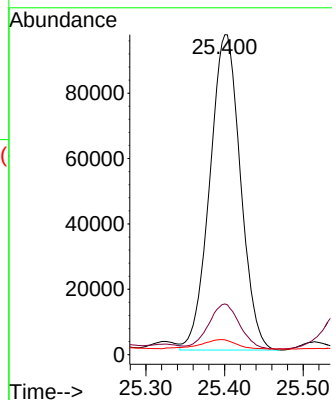


#27
Indeno(1,2,3-cd)pyrene
Concen: 4.649 ng/ul
RT: 25.400 min Scan# 5516
Delta R.T. 0.040 min
Lab File: BM046580.D
Acq: 13 Jul 2024 13:15

Instrument :
BNA_M
ClientSampleId :
A4D12

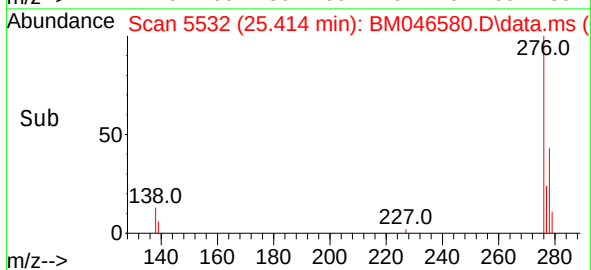
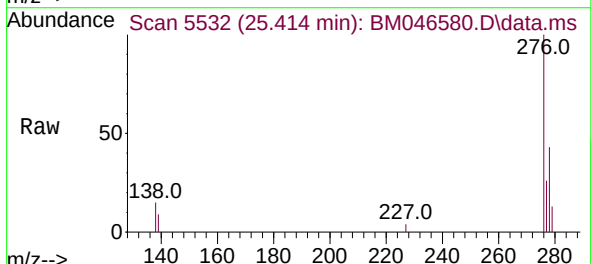
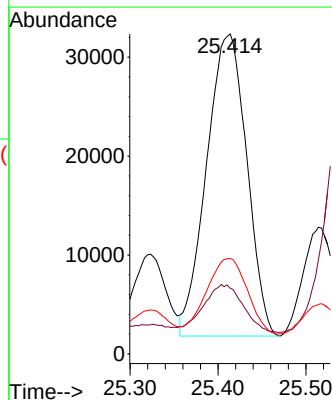


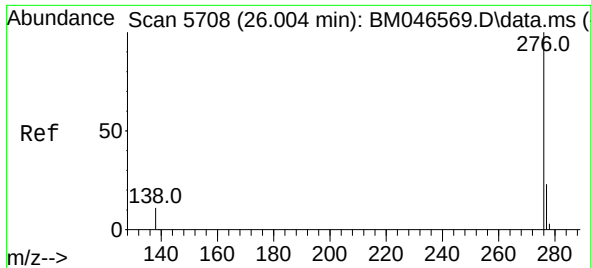
Tgt Ion:276 Resp: 261421
Ion Ratio Lower Upper
276 100
138 14.5 0.0 0.0#
227 3.6 0.2 0.2#



#28
Dibenzo(a,h)anthracene
Concen: 2.179 ng/ul
RT: 25.414 min Scan# 5532
Delta R.T. 0.030 min
Lab File: BM046580.D
Acq: 13 Jul 2024 13:15

Tgt Ion:278 Resp: 97012
Ion Ratio Lower Upper
278 100
139 20.6 9.1 13.7#
279 29.8 23.2 34.8





#29

Benzo(g,h,i)perylene

Concen: 0.804 ng/ul

RT: 26.054 min Scan# 51

Delta R.T. 0.050 min

Lab File: BM046580.D

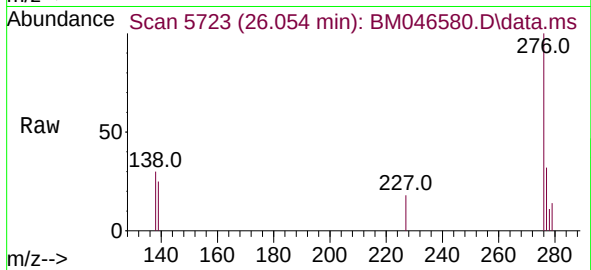
Acq: 13 Jul 2024 13:15

Instrument :

BNA_M

ClientSampleId :

A4D12



Tgt Ion:276 Resp: 36093

Ion Ratio Lower Upper

276 100

138 30.0 10.2 15.4#

277 32.3 20.9 31.3#

