

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071524\
 Data File : BM046645.D
 Acq On : 16 Jul 2024 22:34
 Operator : MA/JU
 Sample : P3177-25MSD
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

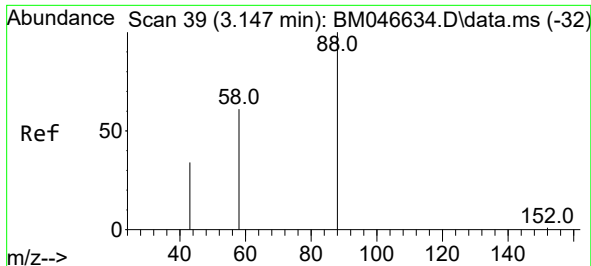
Instrument :
 BNA_M
 ClientSampleId :
 A4BS2MSD

Quant Time: Jul 17 00:40:23 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	7.501	152	2434	0.400	ng/ul	0.00
4) Naphthalene-d8	10.260	136	6695	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.146	164	4472	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.896	188	10059	0.400	ng/ul	0.00
17) Chrysene-d12	21.102	240	8619	0.400	ng/ul #	0.00
23) Perylene-d12	23.241	264	9735	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.113	96	651	0.326	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.860	152	2826	0.262	ng/ul	0.00
18) Fluoranthene-d10	18.937	212	8378	0.319	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.147	88	1732	0.812	ng/ul#	78
5) Naphthalene	10.310	128	4936	0.290	ng/ul	99
7) 2-Methylnaphthalene	11.932	142	3355	0.280	ng/ul	97
8) 1-Methylnaphthalene	12.157	142	3265	0.267	ng/ul	99
10) Acenaphthylene	13.859	152	7269	0.357	ng/ul	98
11) Acenaphthene	14.206	153	4158	0.305	ng/ul	97
12) Fluorene	15.201	166	5302	0.314	ng/ul	96
14) Pentachlorophenol	16.554	266	2229	0.437	ng/ul	98
15) Phenanthrene	16.939	178	16386	0.571	ng/ul	99
16) Anthracene	17.027	178	10452	0.373	ng/ul	100
19) Fluoranthene	18.965	202	32223	0.910	ng/ul	99
20) Pyrene	19.327	202	34621	0.903	ng/ul	99
21) Benzo(a)anthracene	21.087	228	22556	0.592	ng/ul	96
22) Chrysene	21.140	228	23901	0.648	ng/ul	98
24) Benzo(b)fluoranthene	22.610	252	27469	0.706	ng/ul	97
25) Benzo(k)fluoranthene	22.648	252	17125	0.449	ng/ul#	93
26) Benzo(a)pyrene	23.148	252	22163	0.693	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	25.363	276	22798	0.468	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.380	278	12817	0.332	ng/ul#	94
29) Benzo(g,h,i)perylene	26.003	276	19974	0.514	ng/ul	98

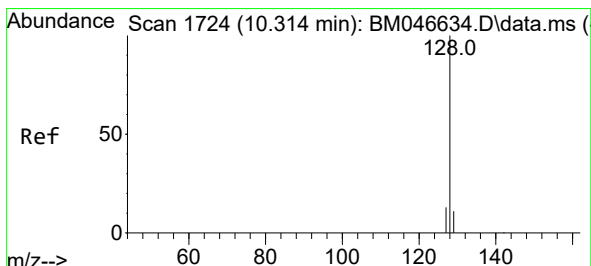
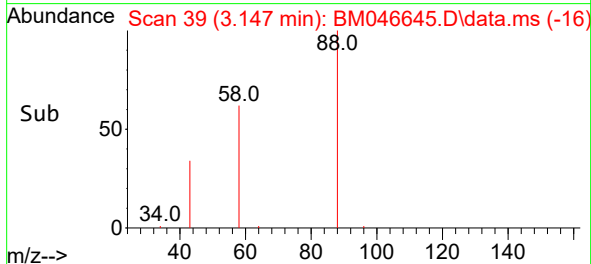
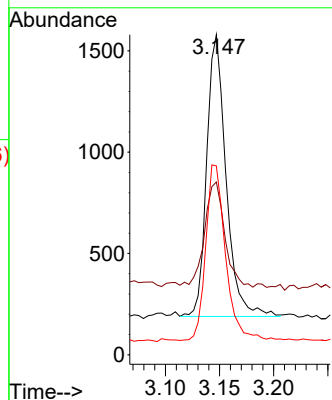
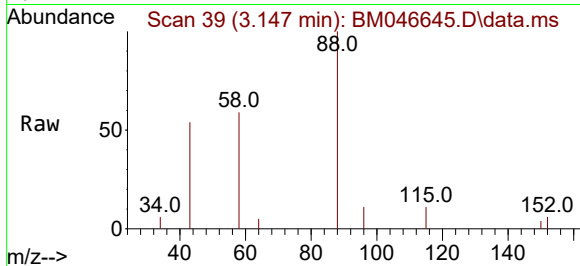
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 0.812 ng/ul
RT: 3.147 min Scan# 39
Delta R.T. -0.005 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

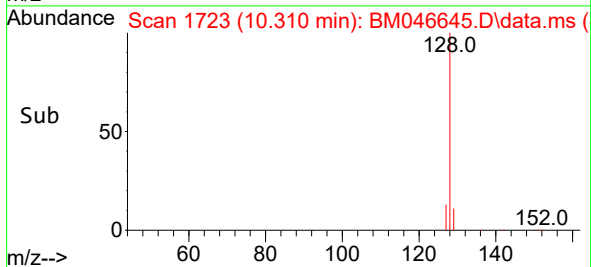
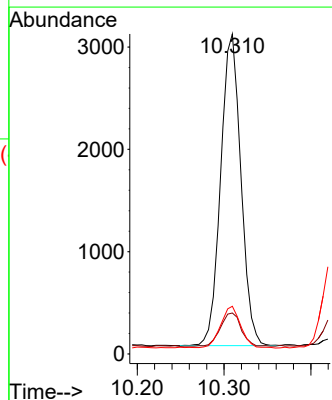
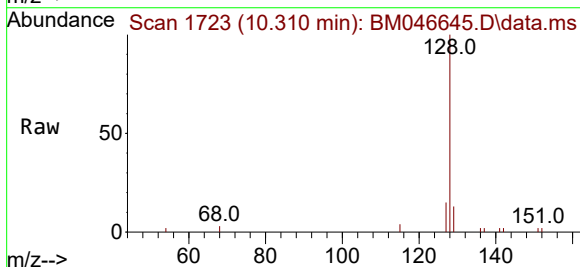
Instrument :
BNA_M
ClientSampleId :
A4BS2MSD

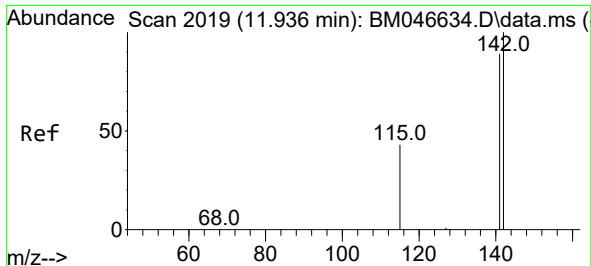
Tgt Ion: 88 Resp: 1732
Ion Ratio Lower Upper
88 100
43 54.0 70.2 105.4#
58 59.0 48.2 72.4



#5
Naphthalene
Concen: 0.290 ng/ul
RT: 10.310 min Scan# 1723
Delta R.T. -0.006 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

Tgt Ion: 128 Resp: 4936
Ion Ratio Lower Upper
128 100
129 12.8 10.3 15.5
127 14.9 12.2 18.4

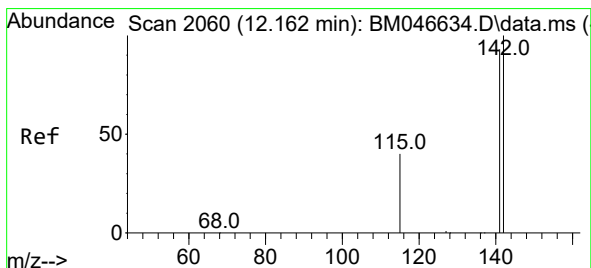
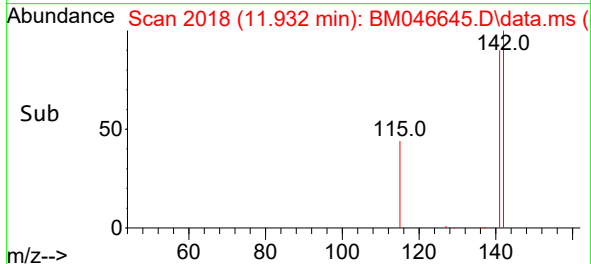
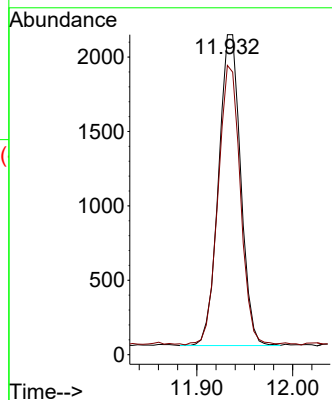
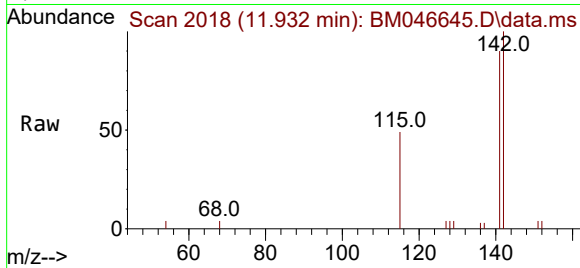




#7
2-Methylnaphthalene
Concen: 0.280 ng/ul
RT: 11.932 min Scan# 2019
Delta R.T. -0.011 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

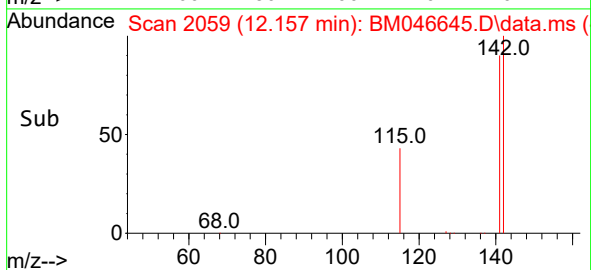
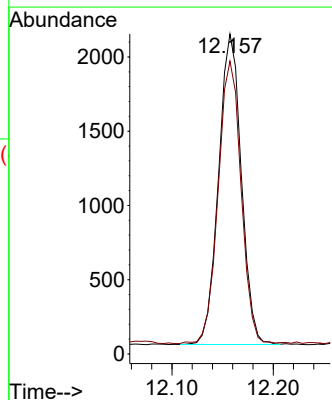
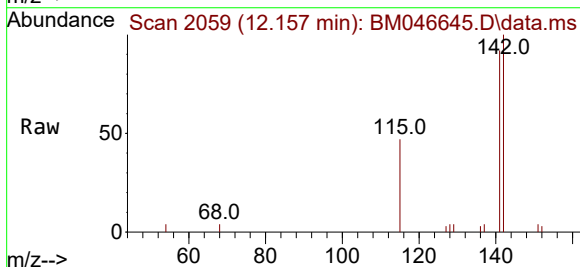
Instrument :
BNA_M
ClientSampleId :
A4BS2MSD

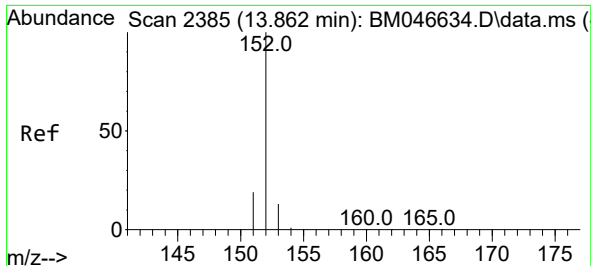
Tgt Ion:142 Resp: 3355
Ion Ratio Lower Upper
142 100
141 90.7 70.3 105.5



#8
1-Methylnaphthalene
Concen: 0.267 ng/ul
RT: 12.157 min Scan# 2059
Delta R.T. -0.006 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

Tgt Ion:142 Resp: 3265
Ion Ratio Lower Upper
142 100
141 91.3 73.9 110.9

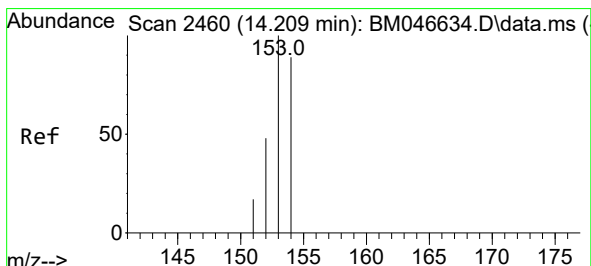
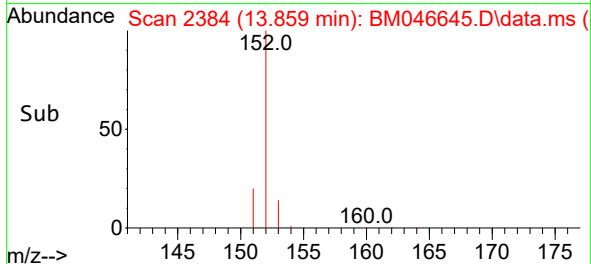
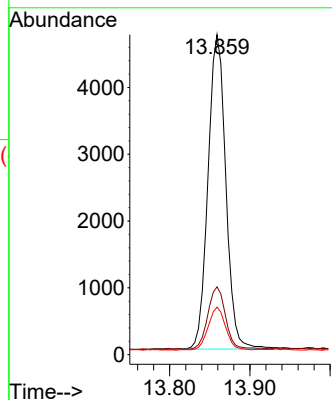
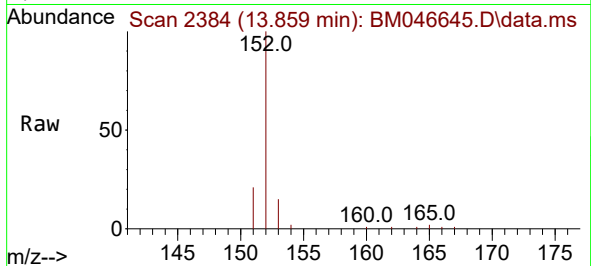




#10
Acenaphthylene
Concen: 0.357 ng/ul
RT: 13.859 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

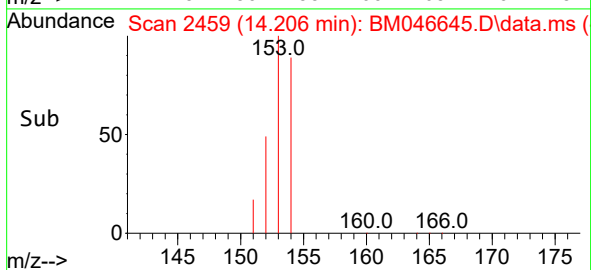
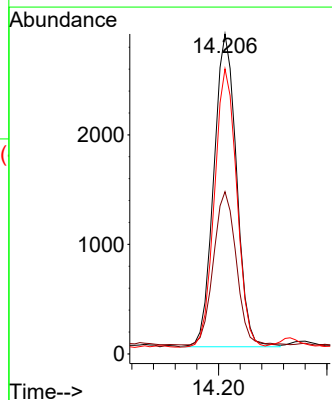
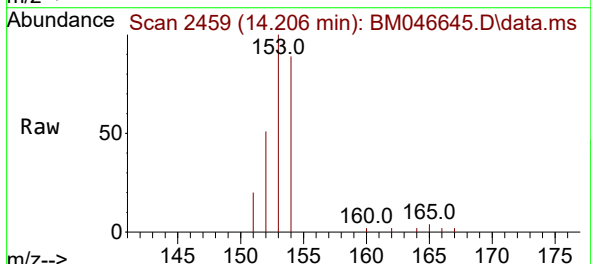
Instrument :
BNA_M
ClientSampleId :
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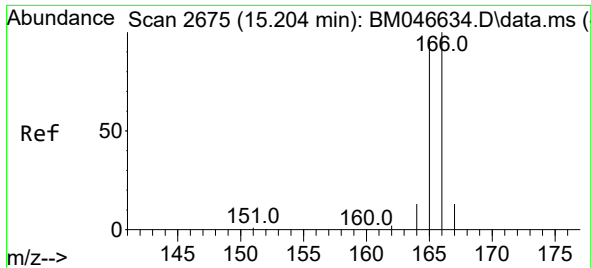
Tgt Ion:152	Resp:	7269
Ion	Ratio	Lower Upper
152	100	
151	21.2	16.4 24.6
153	14.8	12.4 18.6



#11
Acenaphthene
Concen: 0.305 ng/ul
RT: 14.206 min Scan# 2459
Delta R.T. -0.005 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

Tgt Ion:153	Resp:	4158
Ion	Ratio	Lower Upper
153	100	
152	50.7	43.0 64.6
154	89.1	69.9 104.9

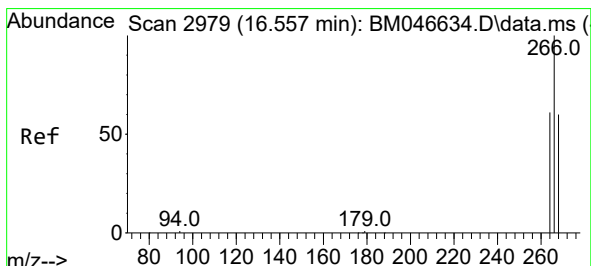
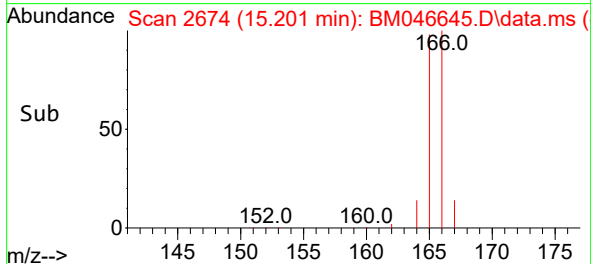
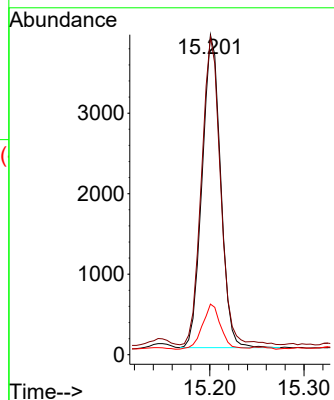
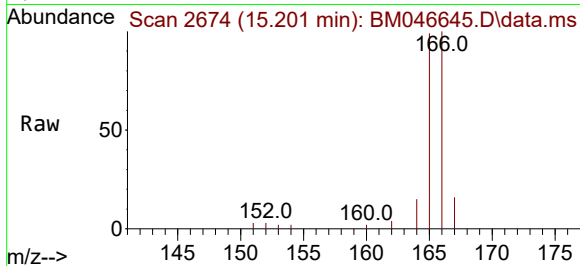




#12
Fluorene
Concen: 0.314 ng/ul
RT: 15.201 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

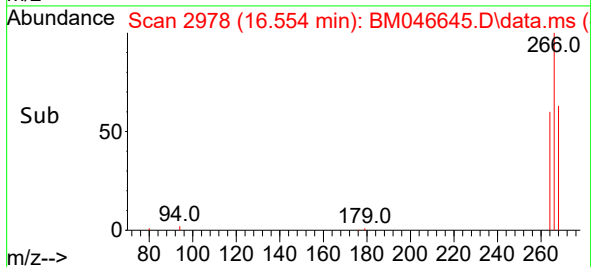
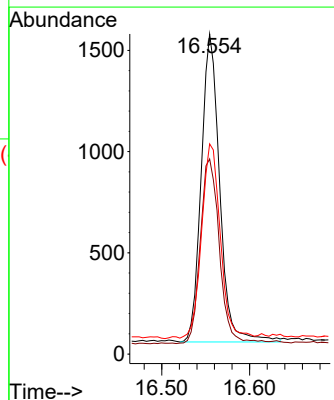
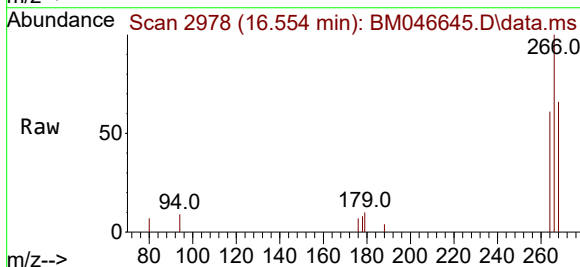
Instrument :
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ClientSampleId :
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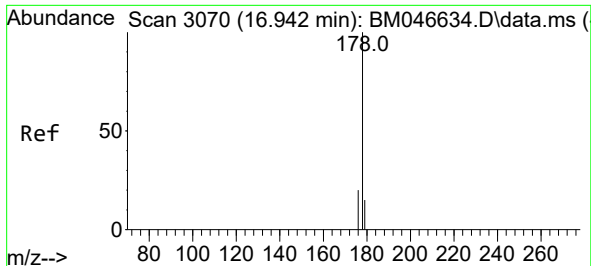
Tgt Ion:166 Resp: 5302
Ion Ratio Lower Upper
166 100
165 99.3 76.1 114.1
167 15.8 12.5 18.7



#14
Pentachlorophenol
Concen: 0.437 ng/ul
RT: 16.554 min Scan# 2978
Delta R.T. -0.000 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

Tgt Ion:266 Resp: 2229
Ion Ratio Lower Upper
266 100
264 61.8 50.1 75.1
268 63.6 52.5 78.7

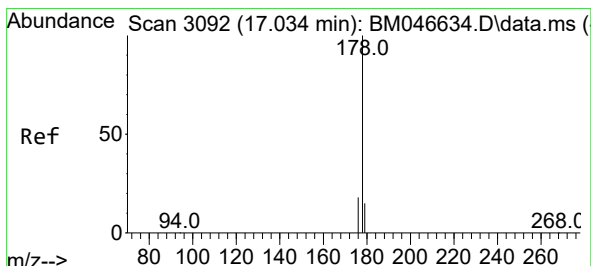
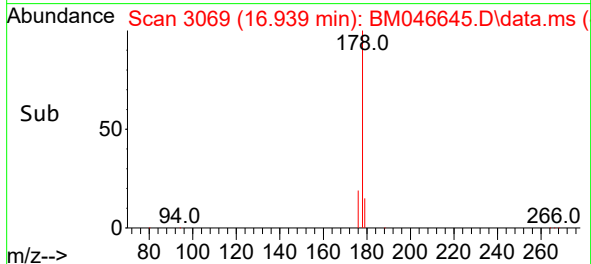
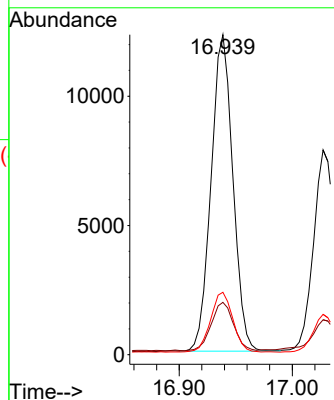
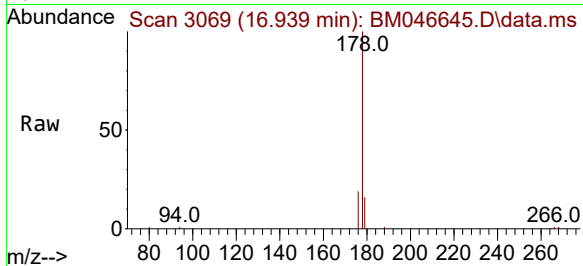




#15
Phenanthrene
Concen: 0.571 ng/ul
RT: 16.939 min Scan# 3069
Delta R.T. -0.005 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

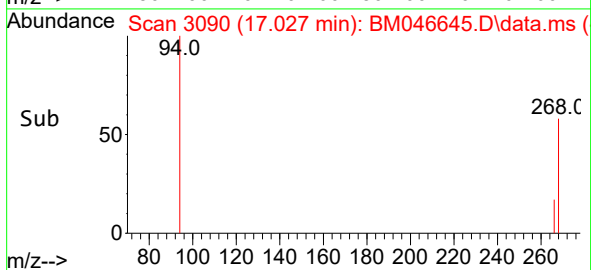
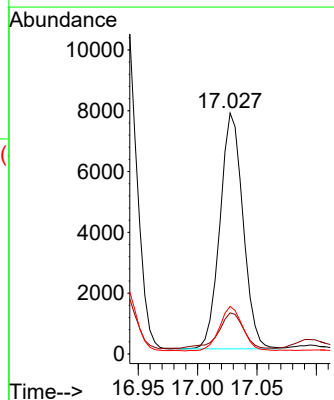
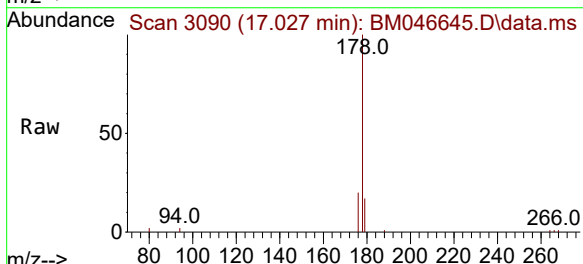
Instrument :
BNA_M
ClientSampleId :
A4BS2MSD

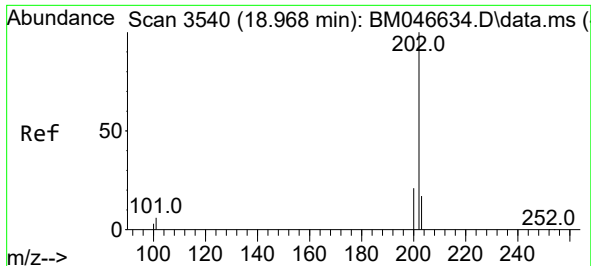
Tgt Ion:	178	Resp:	16386
Ion Ratio	Lower	Upper	
178	100		
179	16.3	13.1	19.7
176	19.5	16.0	24.0



#16
Anthracene
Concen: 0.373 ng/ul
RT: 17.027 min Scan# 3090
Delta R.T. -0.005 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

Tgt Ion:	178	Resp:	10452
Ion Ratio	Lower	Upper	
178	100		
179	17.1	13.5	20.3
176	19.7	15.7	23.5

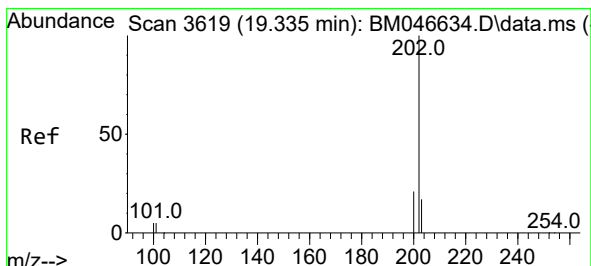
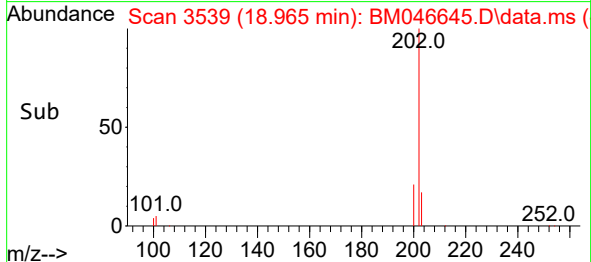
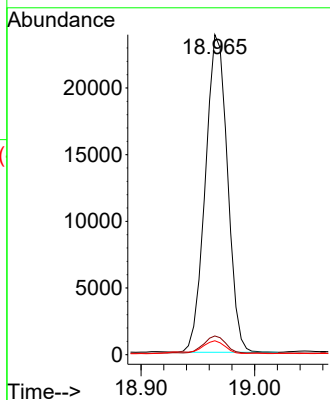
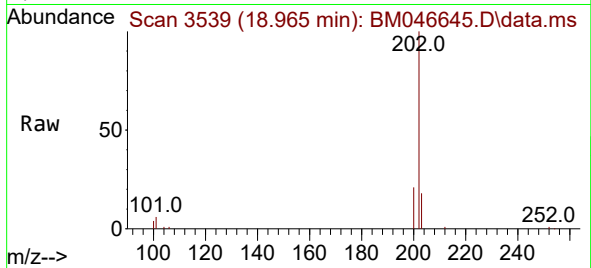




#19
Fluoranthene
Concen: 0.910 ng/ul
RT: 18.965 min Scan# 3539
Delta R.T. -0.005 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

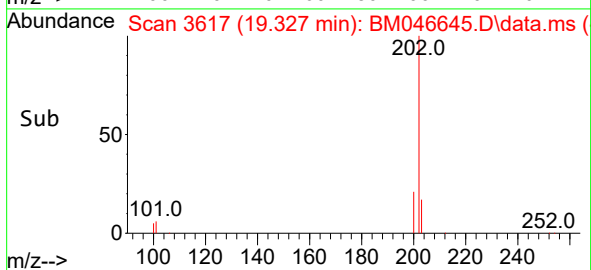
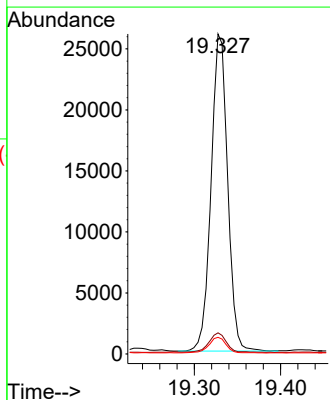
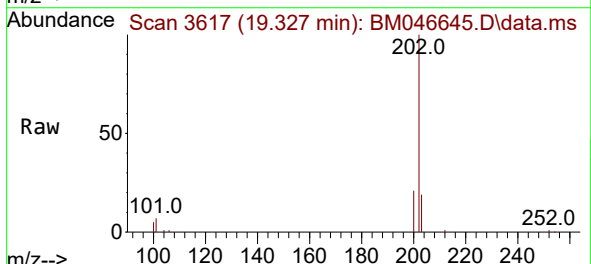
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ClientSampleId :
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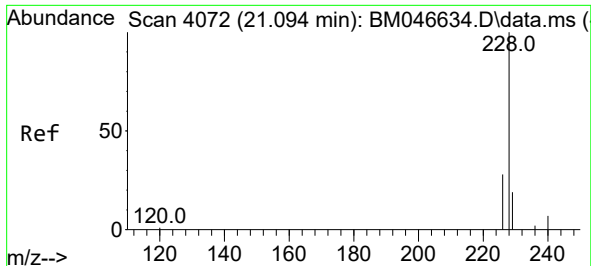
Tgt Ion:202 Resp: 32223
Ion Ratio Lower Upper
202 100
101 5.9 4.6 6.8
100 4.4 3.0 4.6



#20
Pyrene
Concen: 0.903 ng/ul
RT: 19.327 min Scan# 3617
Delta R.T. -0.005 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

Tgt Ion:202 Resp: 34621
Ion Ratio Lower Upper
202 100
101 6.6 5.1 7.7
100 5.2 3.8 5.6

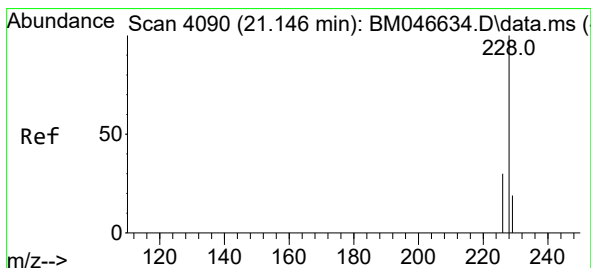
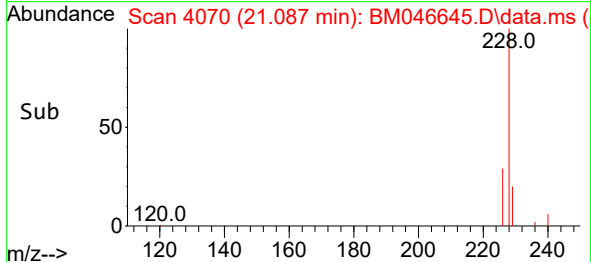
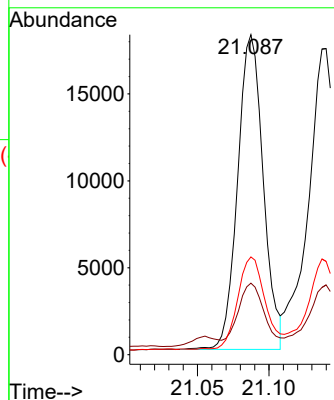
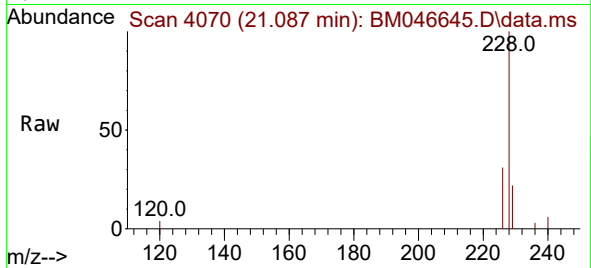




#21
Benzo(a)anthracene
Concen: 0.592 ng/ul
RT: 21.087 min Scan# 4070
Delta R.T. -0.000 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

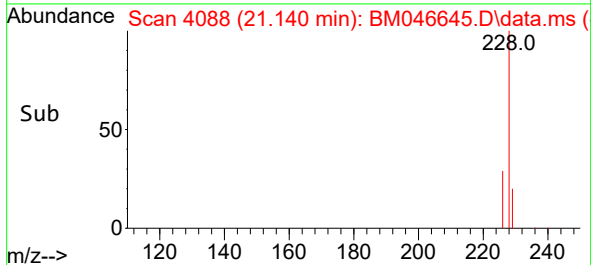
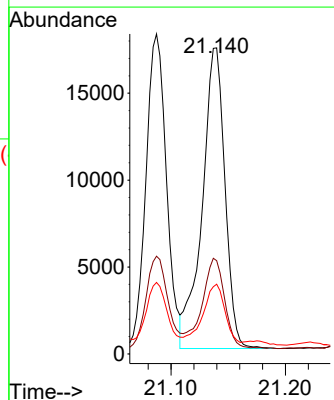
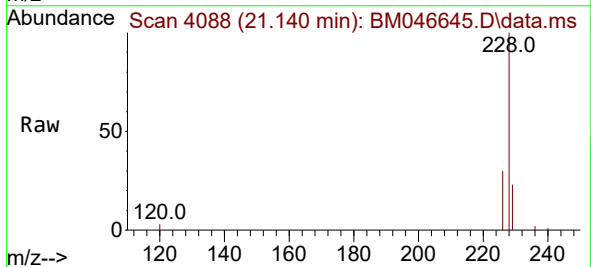
Instrument :
BNA_M
ClientSampleId :
A4BS2MSD

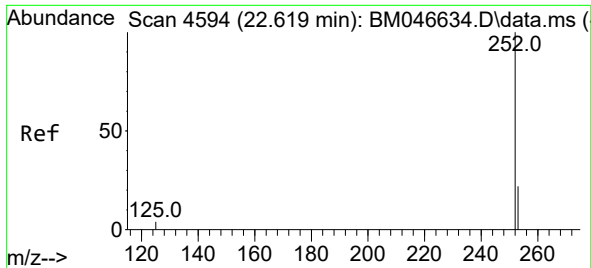
Tgt Ion:228 Resp: 22556
Ion Ratio Lower Upper
228 100
229 22.4 16.5 24.7
226 30.6 22.5 33.7



#22
Chrysene
Concen: 0.648 ng/ul
RT: 21.140 min Scan# 4088
Delta R.T. -0.000 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

Tgt Ion:228 Resp: 23901
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 22.8 16.4 24.6

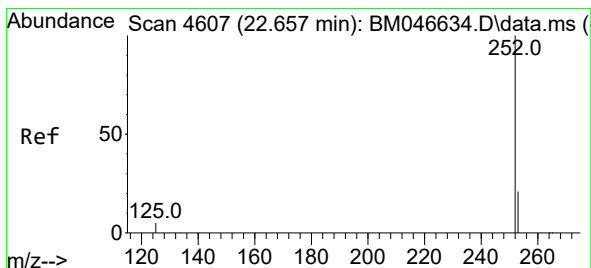
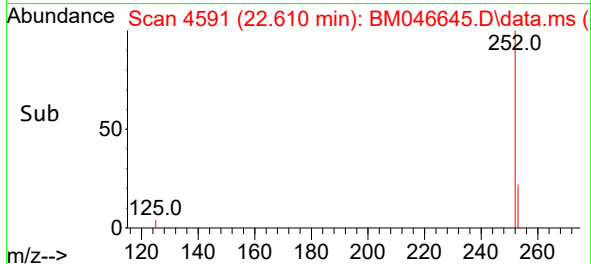
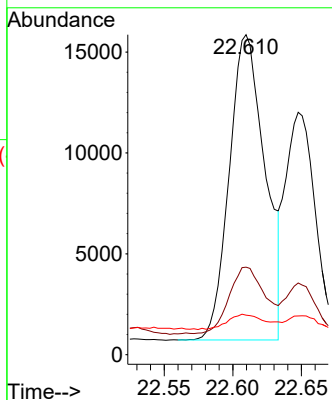
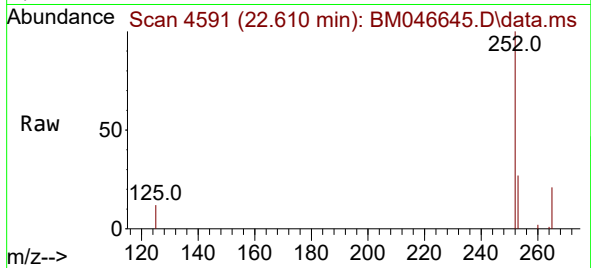




#24
Benzo(b)fluoranthene
Concen: 0.706 ng/ul
RT: 22.610 min Scan# 4591
Delta R.T. -0.000 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

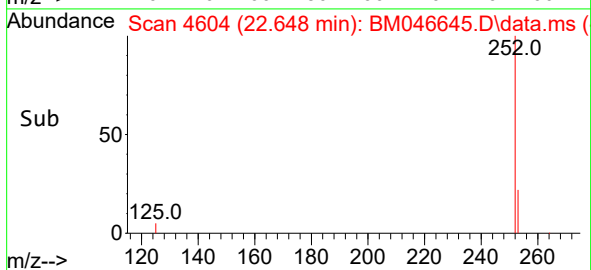
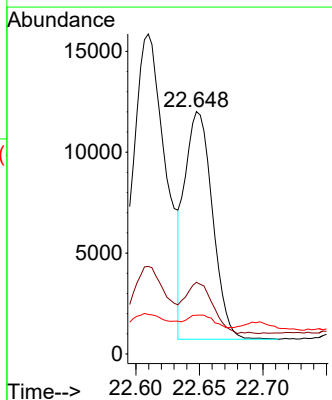
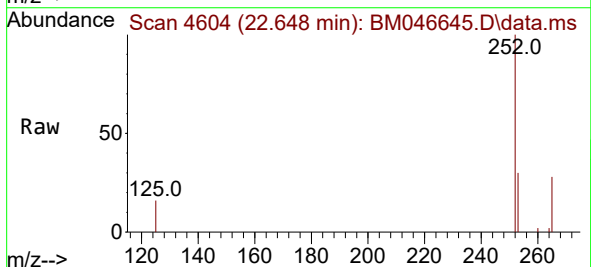
Instrument :
BNA_M
ClientSampleId :
A4BS2MSD

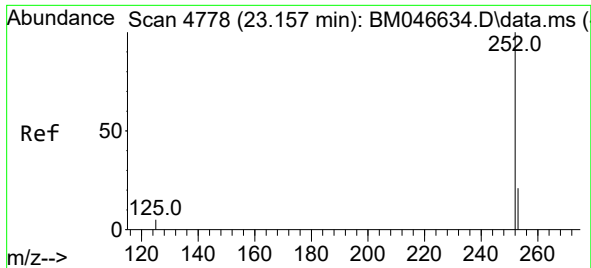
Tgt Ion:252 Resp: 27469
Ion Ratio Lower Upper
252 100
253 27.3 0.0 56.2
125 12.3 0.0 17.8



#25
Benzo(k)fluoranthene
Concen: 0.449 ng/ul
RT: 22.648 min Scan# 4604
Delta R.T. -0.003 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

Tgt Ion:252 Resp: 17125
Ion Ratio Lower Upper
252 100
253 29.6 22.4 33.6
125 15.9 7.0 10.4#

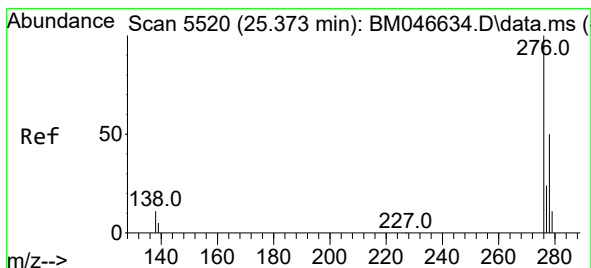
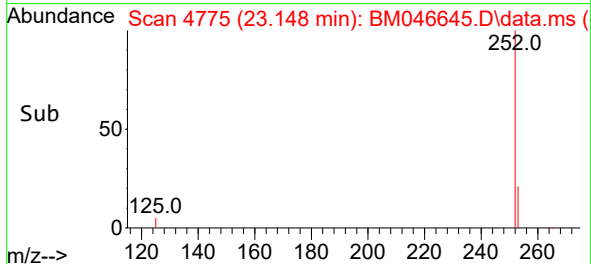
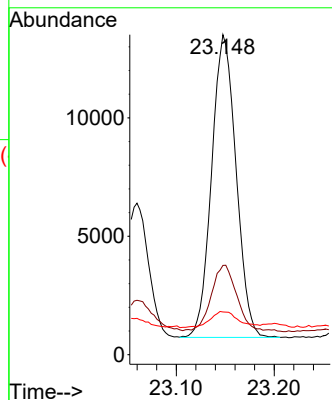
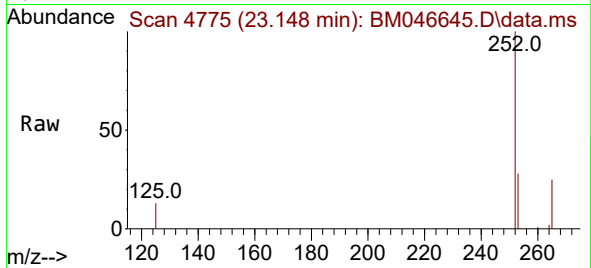




#26
Benzo(a)pyrene
Concen: 0.693 ng/ul
RT: 23.148 min Scan# 41
Delta R.T. -0.003 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

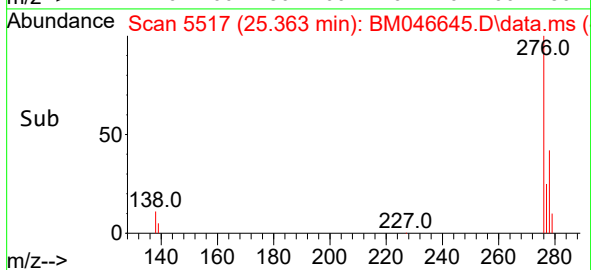
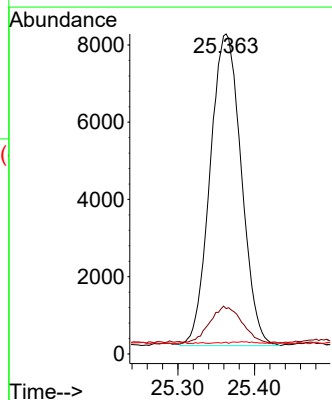
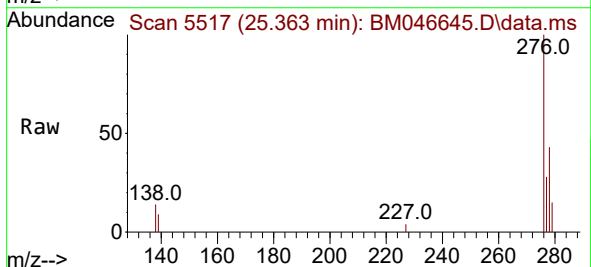
Instrument :
BNA_M
ClientSampleId :
A4BS2MSD

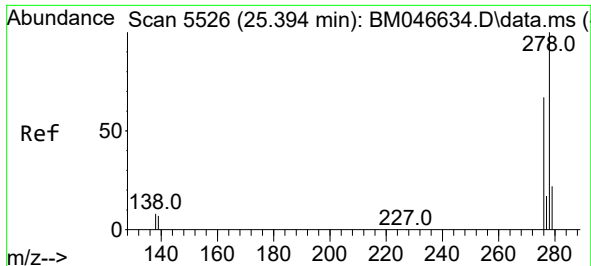
Tgt Ion:252 Resp: 22163
Ion Ratio Lower Upper
252 100
253 27.9 24.0 36.0
125 13.4 8.2 12.2#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.468 ng/ul
RT: 25.363 min Scan# 5517
Delta R.T. 0.003 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

Tgt Ion:276 Resp: 22798
Ion Ratio Lower Upper
276 100
138 11.7 0.0 0.0#
227 0.1 0.2 0.2#

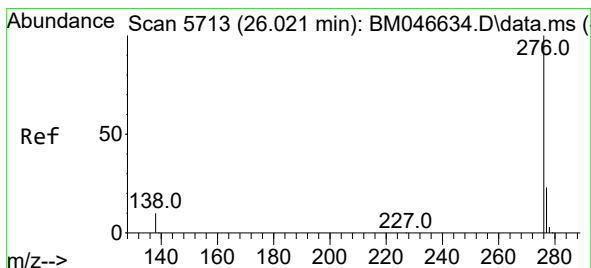
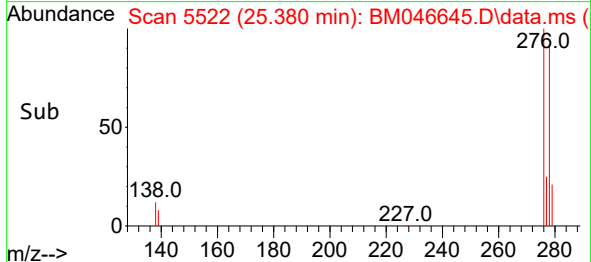
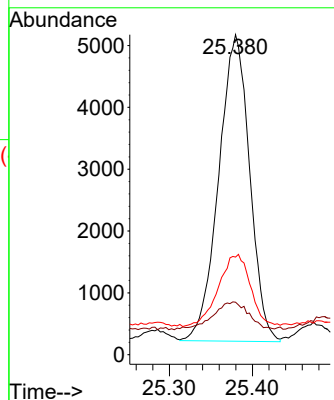
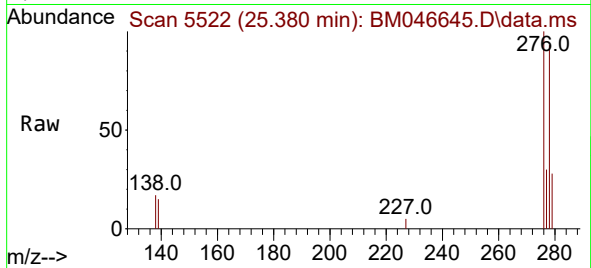




#28
Dibenzo(a,h)anthracene
Concen: 0.332 ng/ul
RT: 25.380 min Scan# 51
Delta R.T. -0.004 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

Instrument :
BNA_M
ClientSampleId :
A4BS2MSD

Tgt Ion:278 Resp: 12817
Ion Ratio Lower Upper
278 100
139 16.4 9.1 13.7#
279 30.5 23.2 34.8



#29
Benzo(g,h,i)perylene
Concen: 0.514 ng/ul
RT: 26.003 min Scan# 5708
Delta R.T. -0.000 min
Lab File: BM046645.D
Acq: 16 Jul 2024 22:34

Tgt Ion:276 Resp: 19974
Ion Ratio Lower Upper
276 100
138 14.8 10.2 15.4
277 26.1 20.9 31.3

