

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110723\
 Data File : BM042609.D
 Acq On : 07 Nov 2023 10:15
 Operator : MA/JU
 Sample : 05168-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 XA019

Quant Time: Nov 07 10:45:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 07 02:23:03 2023
 Response via : Initial Calibration

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

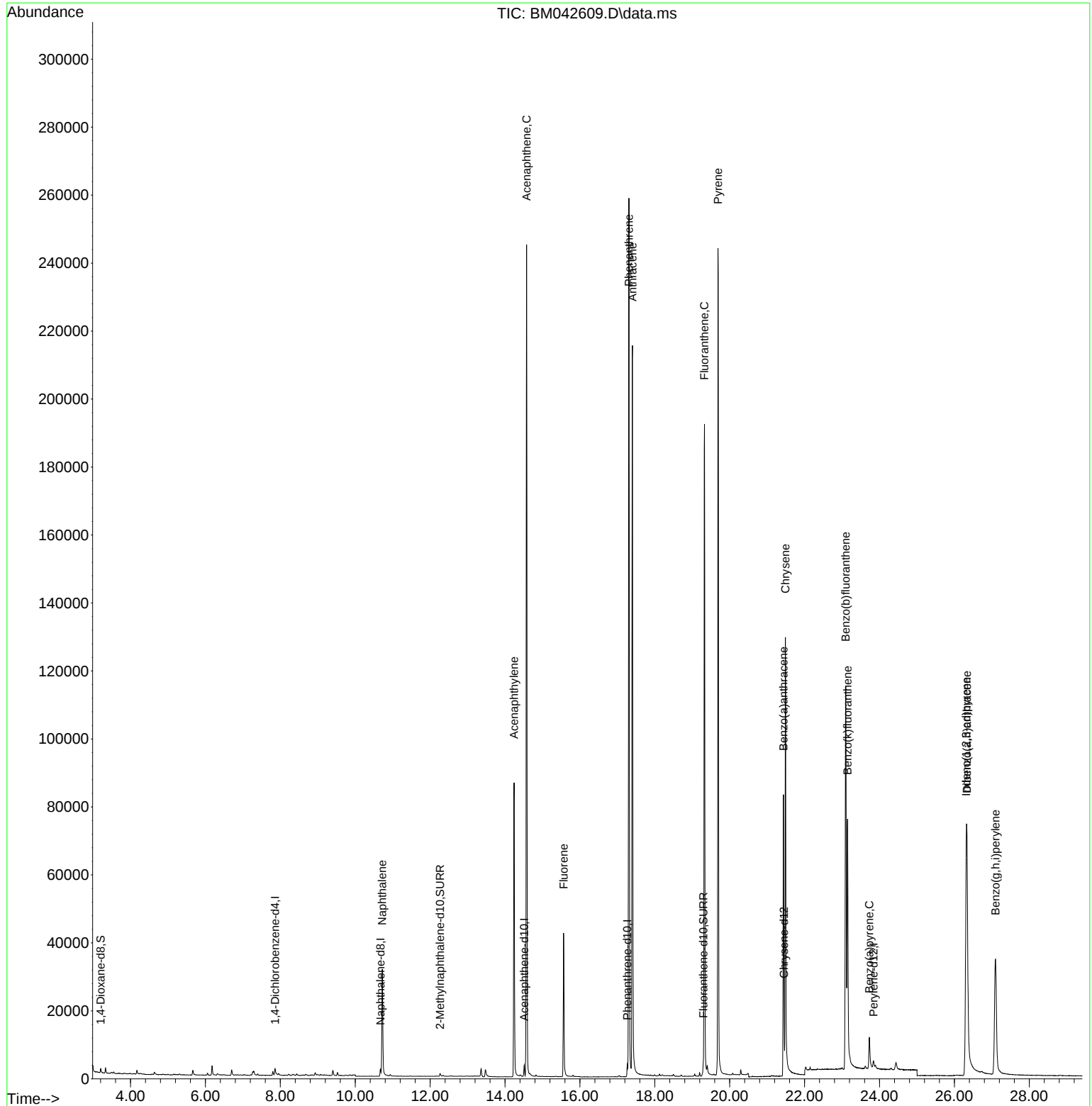
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.859	152	1236	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.671	136	3030	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.515	164	1784	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.267	188	4200	0.400	ng/ul	0.00
17) Chrysene-d12	21.453	240	3184	0.400	ng/ul	0.00
23) Perylene-d12	23.841	264	3438	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.202	96	715	0.438	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.266	152	1305	0.309	ng/ul	0.00
18) Fluoranthene-d10	19.294	212	3864	0.351	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.721	128	48709	4.978	ng/ul#	93
10) Acenaphthylene	14.242	152	98088	8.035	ng/ul	96
11) Acenaphthene	14.575	153	134784	16.271	ng/ul	99
12) Fluorene	15.565	166	27243	2.867	ng/ul	99
15) Phenanthrene	17.309	178	268058	16.461	ng/ul	96
16) Anthracene	17.402	178	235445	15.974	ng/ul	95
19) Fluoranthene	19.326	202	166166	8.350	ng/ul	96
20) Pyrene	19.689	202	207037	9.464	ng/ul	99
21) Benzo(a)anthracene	21.435	228	70265	4.958	ng/ul	96
22) Chrysene	21.488	228	116561	7.956	ng/ul	97
24) Benzo(b)fluoranthene	23.098	252	150844	10.864	ng/ul	80
25) Benzo(k)fluoranthene	23.145	252	100949	6.937	ng/ul#	79
26) Benzo(a)pyrene	23.730	252	16844	1.172	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	26.316	276	121768	6.513	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.336	278	91789	6.878	ng/ul#	75
29) Benzo(g,h,i)perylene	27.097	276	87268	5.021	ng/ul#	89

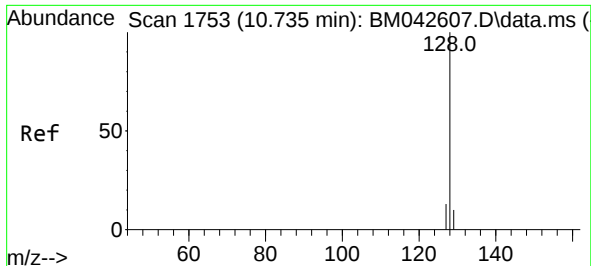
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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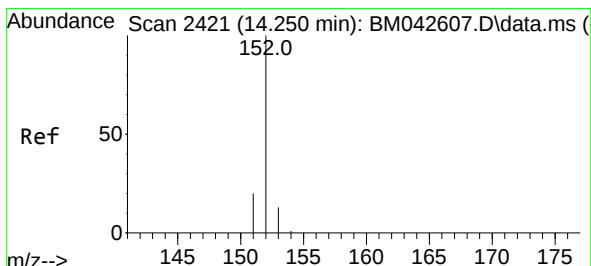
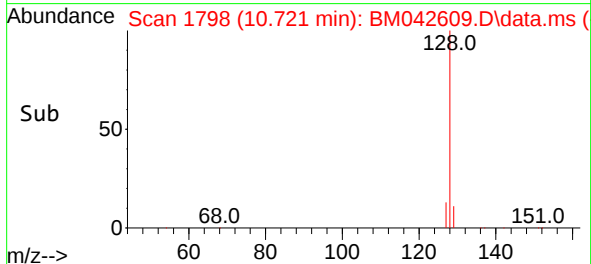
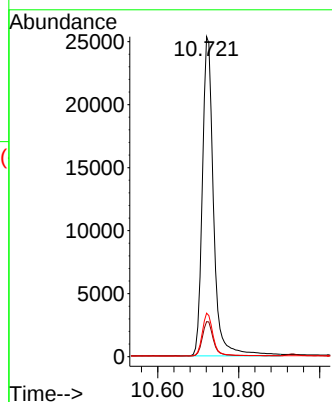
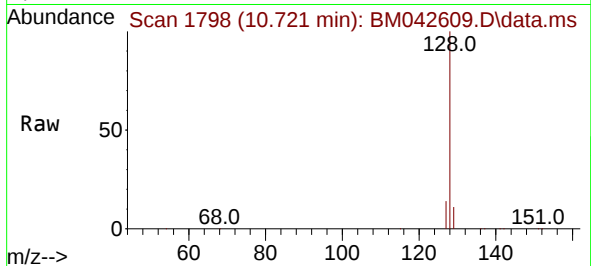




#5
Naphthalene
Concen: 4.978 ng/ul
RT: 10.721 min Scan# 1753
Delta R.T. -0.014 min
Lab File: BM042609.D
Acq: 07 Nov 2023 10:15

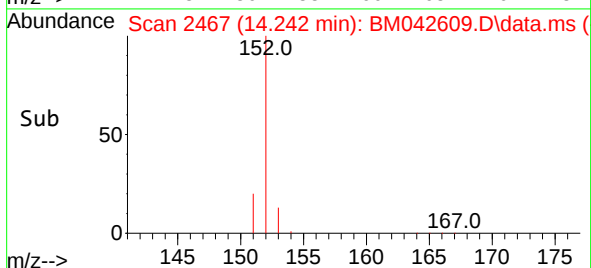
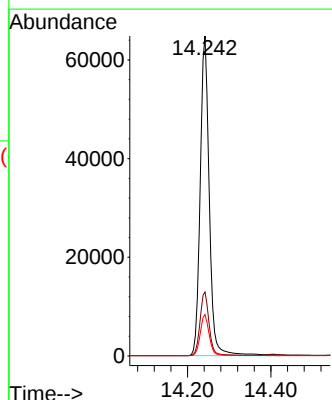
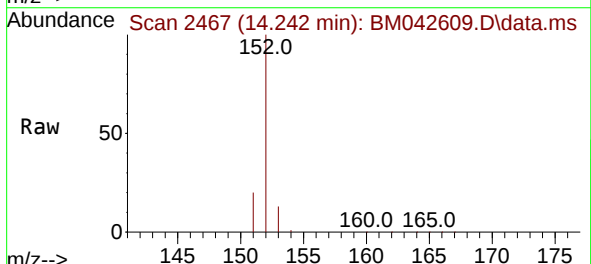
Instrument :
BNA_M
ClientSampleId :
XA019

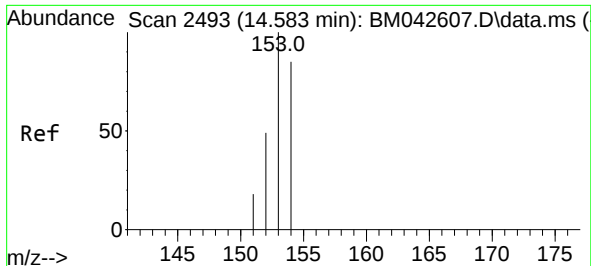
Tgt Ion:128 Resp: 48709
Ion Ratio Lower Upper
128 100
129 11.0 11.3 16.9#
127 13.6 13.0 19.4



#10
Acenaphthylene
Concen: 8.035 ng/ul
RT: 14.242 min Scan# 2467
Delta R.T. -0.003 min
Lab File: BM042609.D
Acq: 07 Nov 2023 10:15

Tgt Ion:152 Resp: 98088
Ion Ratio Lower Upper
152 100
151 20.0 17.2 25.8
153 13.0 11.8 17.8

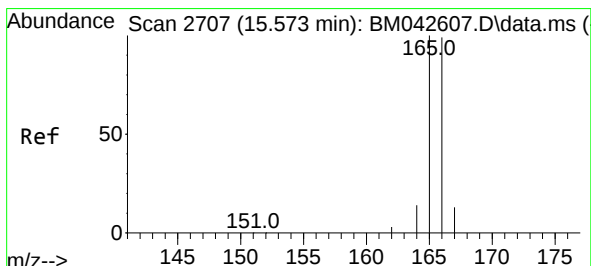
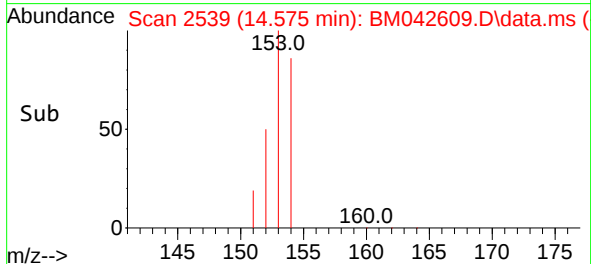
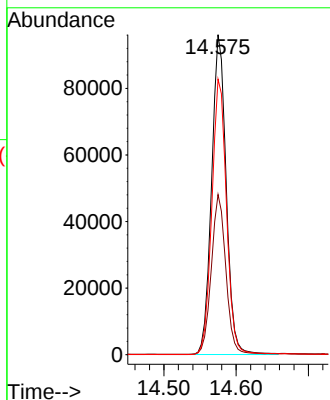
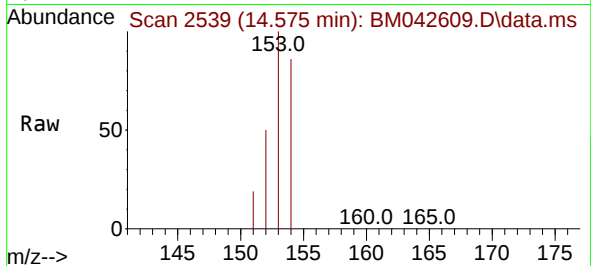




#11
Acenaphthene
Concen: 16.271 ng/ul
RT: 14.575 min Scan# 21
Delta R.T. -0.003 min
Lab File: BM042609.D
Acq: 07 Nov 2023 10:15

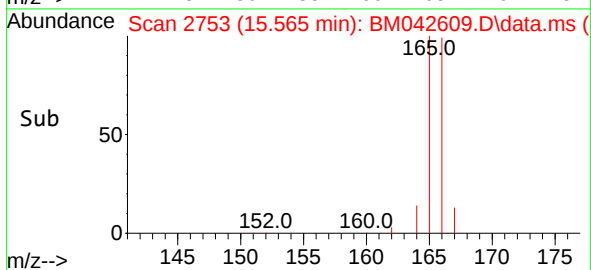
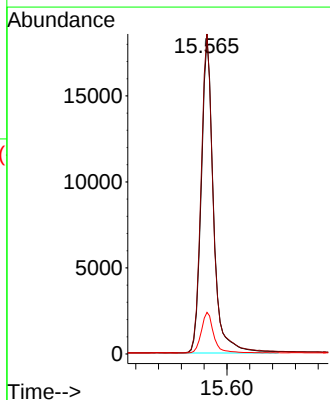
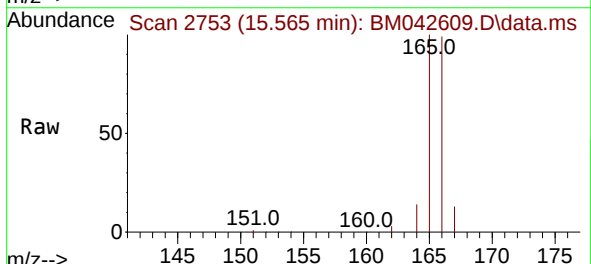
Instrument :
BNA_M
ClientSampleId :
XA019

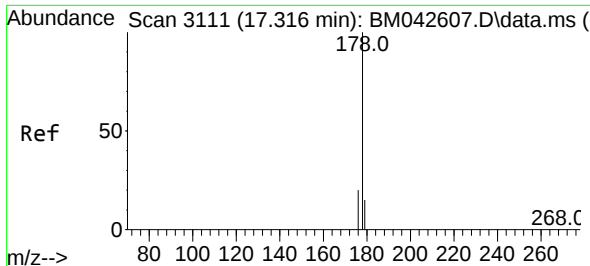
Tgt Ion:153 Resp: 134784
Ion Ratio Lower Upper
153 100
152 50.0 41.8 62.6
154 86.1 69.2 103.8



#12
Fluorene
Concen: 2.867 ng/ul
RT: 15.565 min Scan# 2753
Delta R.T. -0.003 min
Lab File: BM042609.D
Acq: 07 Nov 2023 10:15

Tgt Ion:166 Resp: 27243
Ion Ratio Lower Upper
166 100
165 101.4 81.2 121.8
167 13.2 11.9 17.9

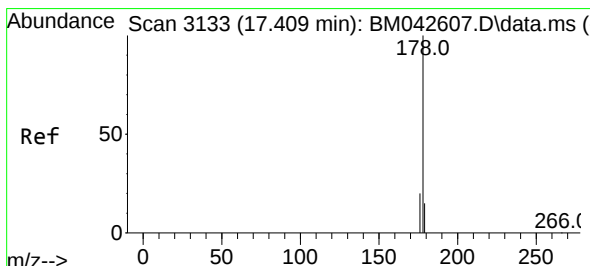
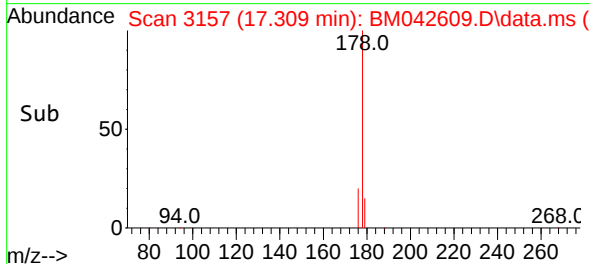
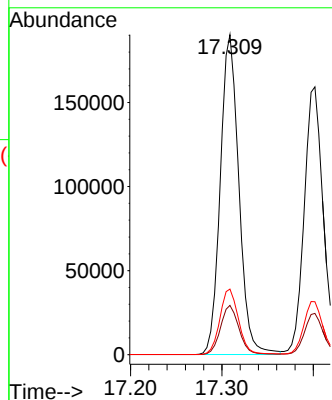
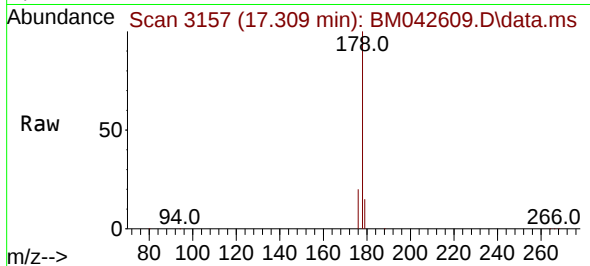




#15
Phenanthrene
Concen: 16.461 ng/ul
RT: 17.309 min Scan# 3111
Delta R.T. -0.003 min
Lab File: BM042609.D
Acq: 07 Nov 2023 10:15

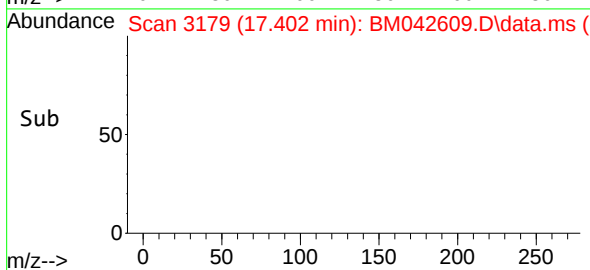
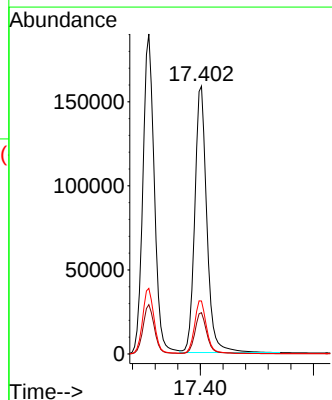
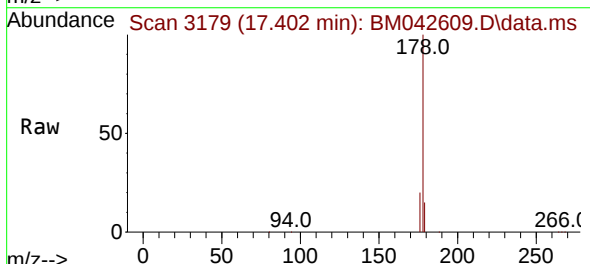
Instrument :
BNA_M
ClientSampleId :
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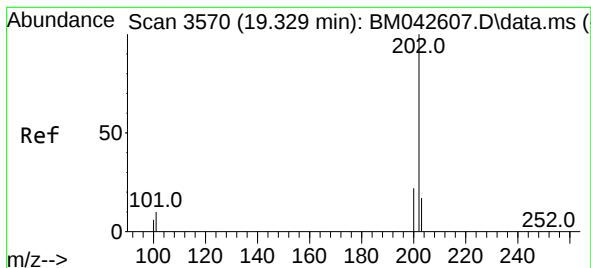
Tgt Ion:178 Resp: 268058
Ion Ratio Lower Upper
178 100
179 15.4 13.7 20.5
176 20.5 18.2 27.2



#16
Anthracene
Concen: 15.974 ng/ul
RT: 17.402 min Scan# 3179
Delta R.T. -0.007 min
Lab File: BM042609.D
Acq: 07 Nov 2023 10:15

Tgt Ion:178 Resp: 235445
Ion Ratio Lower Upper
178 100
179 15.4 14.2 21.4
176 19.8 17.6 26.4





#19

Fluoranthene

Concen: 8.350 ng/ul

RT: 19.326 min Scan# 3

Delta R.T. -0.003 min

Lab File: BM042609.D

Acq: 07 Nov 2023 10:15

Instrument :

BNA_M

ClientSampleId :

XA019

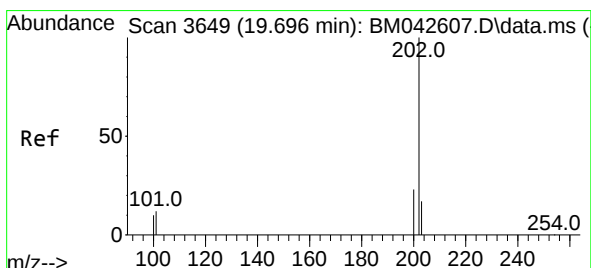
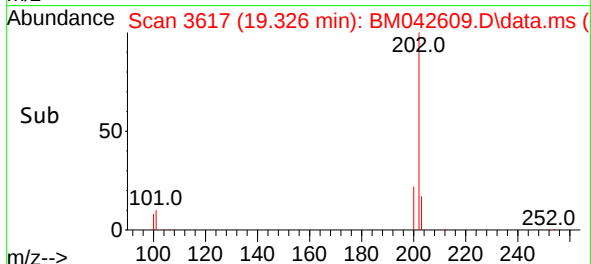
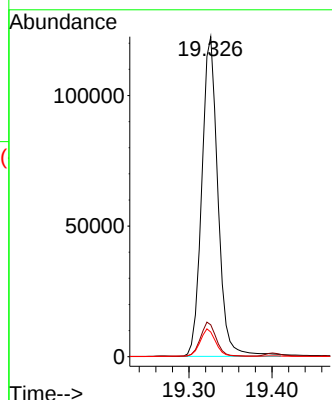
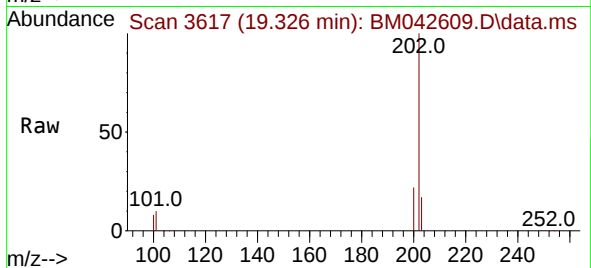
Tgt Ion:202 Resp: 166166

Ion Ratio Lower Upper

202 100

101 10.0 9.0 13.6

100 7.7 7.3 10.9



#20

Pyrene

Concen: 9.464 ng/ul

RT: 19.689 min Scan# 3695

Delta R.T. -0.008 min

Lab File: BM042609.D

Acq: 07 Nov 2023 10:15

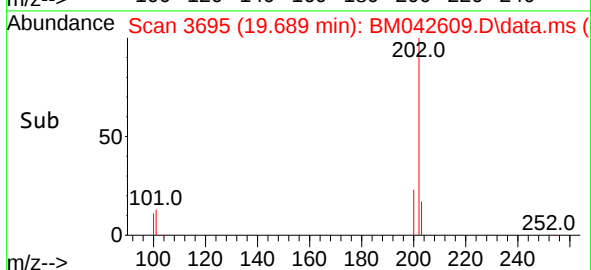
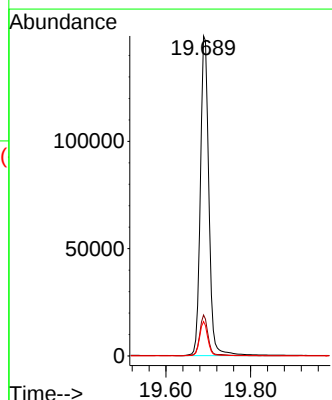
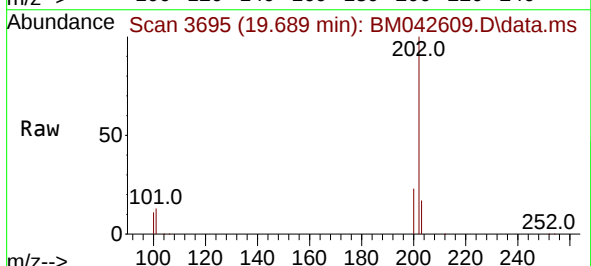
Tgt Ion:202 Resp: 207037

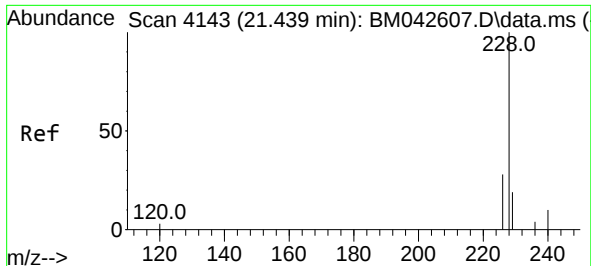
Ion Ratio Lower Upper

202 100

101 12.8 10.6 16.0

100 10.8 8.6 13.0

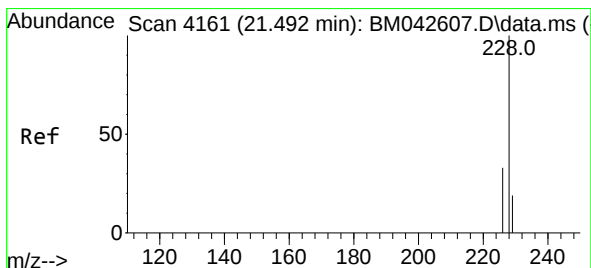
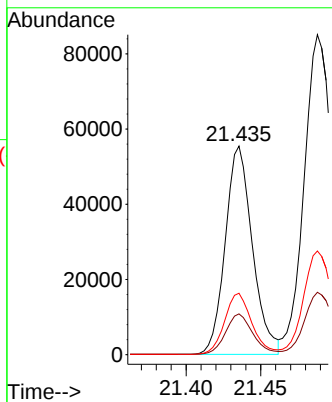
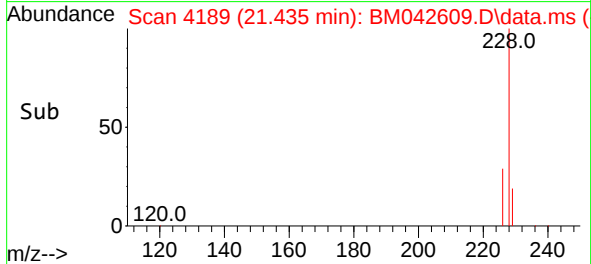
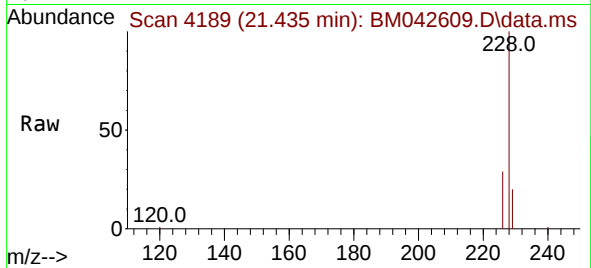




#21
Benzo(a)anthracene
Concen: 4.958 ng/ul
RT: 21.435 min Scan# 4143
Delta R.T. -0.001 min
Lab File: BM042609.D
Acq: 07 Nov 2023 10:15

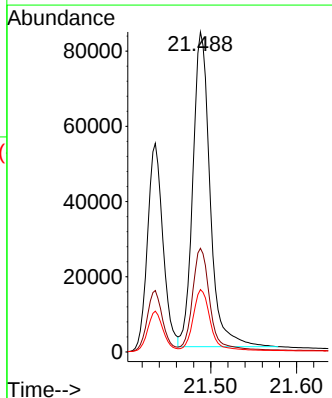
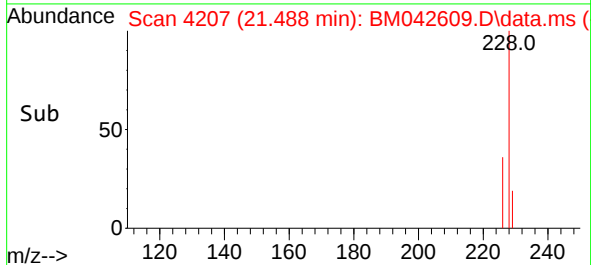
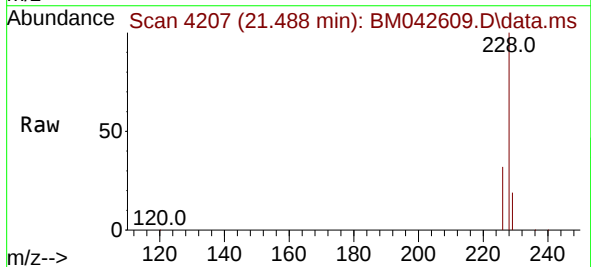
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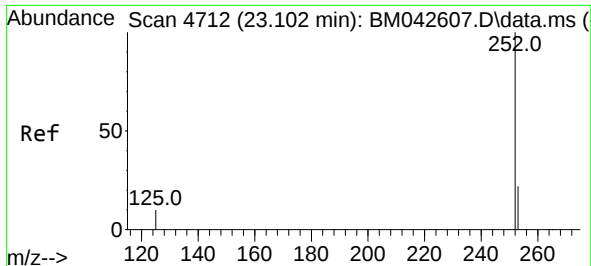
Tgt Ion:228 Resp: 70265
Ion Ratio Lower Upper
228 100
229 19.6 17.0 25.4
226 29.4 25.2 37.8



#22
Chrysene
Concen: 7.956 ng/ul
RT: 21.488 min Scan# 4207
Delta R.T. -0.004 min
Lab File: BM042609.D
Acq: 07 Nov 2023 10:15

Tgt Ion:228 Resp: 116561
Ion Ratio Lower Upper
228 100
226 32.4 27.4 41.0
229 19.5 17.0 25.6

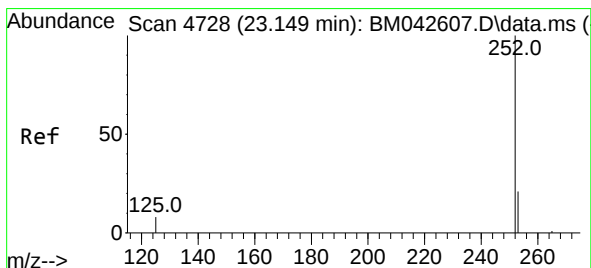
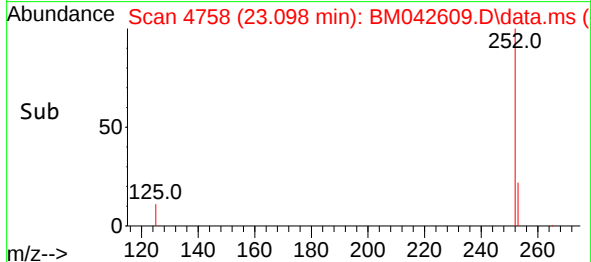
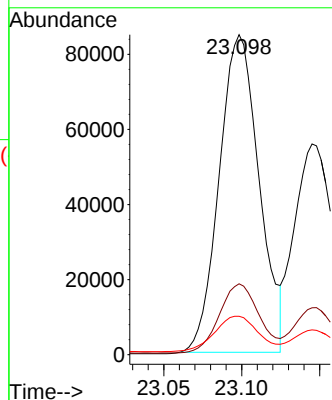
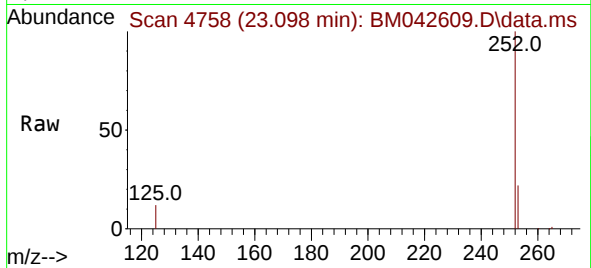




#24
Benzo(b)fluoranthene
Concen: 10.864 ng/ul
RT: 23.098 min Scan# 4712
Delta R.T. -0.001 min
Lab File: BM042609.D
Acq: 07 Nov 2023 10:15

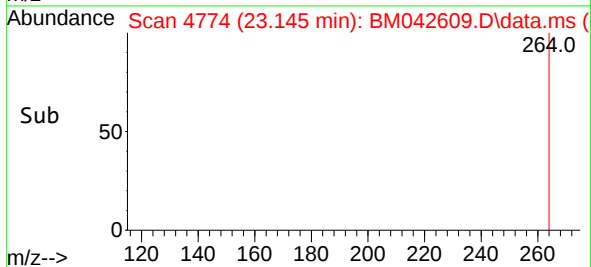
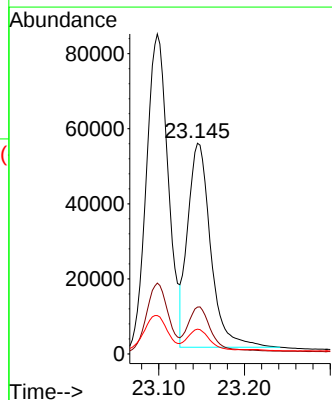
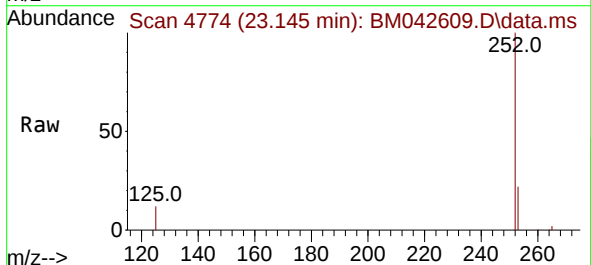
Instrument :
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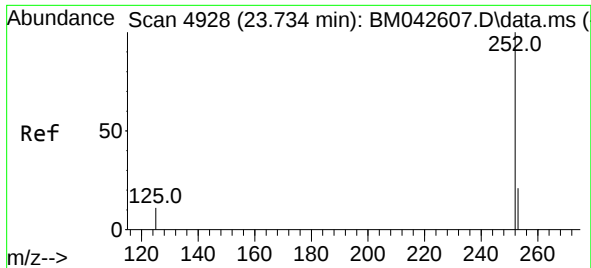
Tgt Ion:252 Resp: 150844
Ion Ratio Lower Upper
252 100
253 22.2 0.0 65.8
125 12.0 0.0 43.6



#25
Benzo(k)fluoranthene
Concen: 6.937 ng/ul
RT: 23.145 min Scan# 4774
Delta R.T. -0.004 min
Lab File: BM042609.D
Acq: 07 Nov 2023 10:15

Tgt Ion:252 Resp: 100949
Ion Ratio Lower Upper
252 100
253 22.2 27.0 40.6#
125 11.8 17.5 26.3#

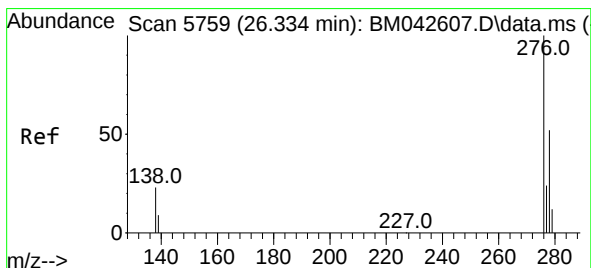
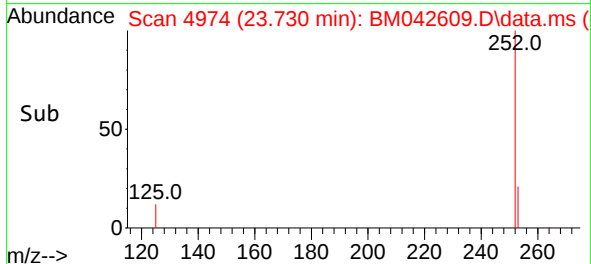
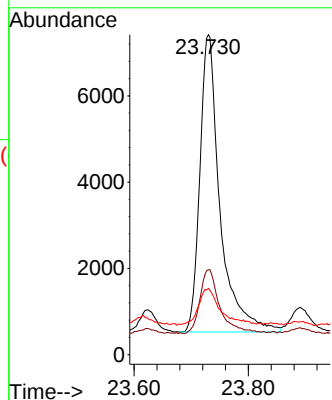
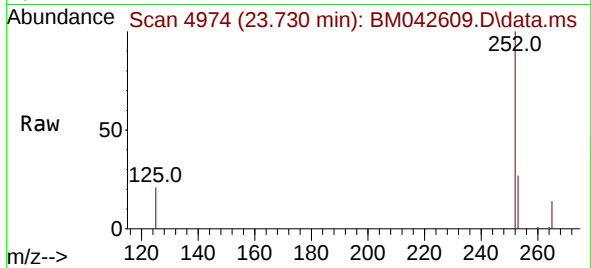




#26
Benzo(a)pyrene
Concen: 1.172 ng/ul
RT: 23.730 min Scan# 4928
Delta R.T. -0.004 min
Lab File: BM042609.D
Acq: 07 Nov 2023 10:15

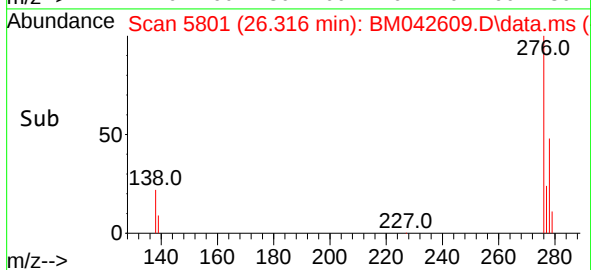
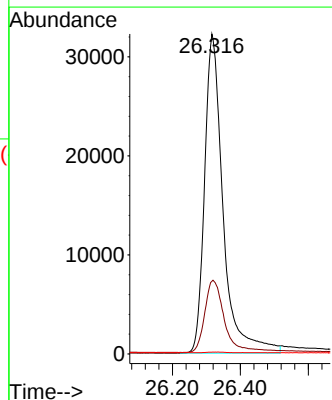
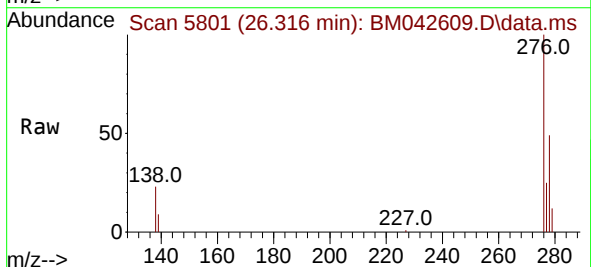
Instrument :
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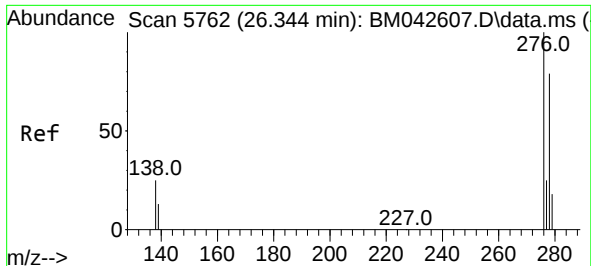
Tgt Ion:252 Resp: 16844
Ion Ratio Lower Upper
252 100
253 26.5 31.7 47.5#
125 20.7 22.1 33.1#



#27
Indeno(1,2,3-cd)pyrene
Concen: 6.513 ng/ul
RT: 26.316 min Scan# 5801
Delta R.T. -0.012 min
Lab File: BM042609.D
Acq: 07 Nov 2023 10:15

Tgt Ion:276 Resp: 121768
Ion Ratio Lower Upper
276 100
138 24.5 20.7 31.1
227 0.0 0.1 0.1#

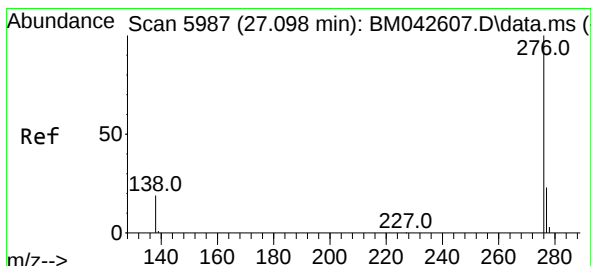
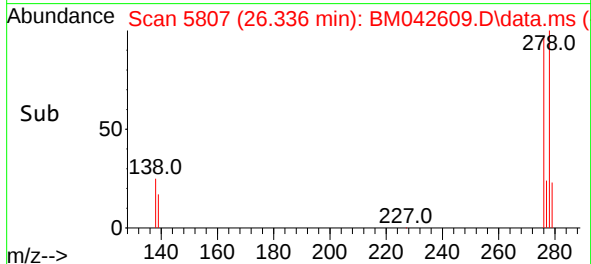
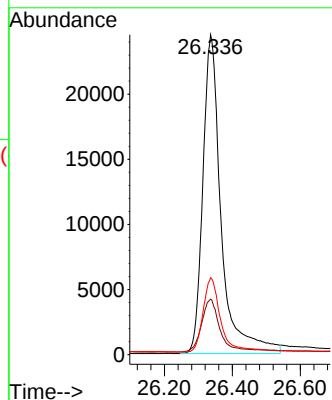
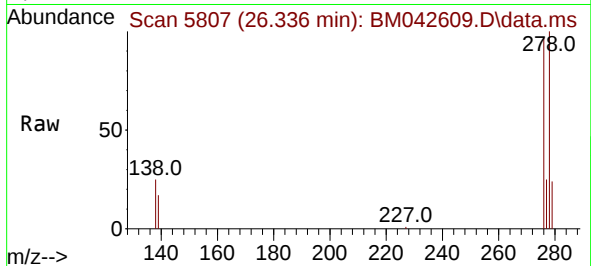




#28
Dibenzo(a,h)anthracene
Concen: 6.878 ng/ul
RT: 26.336 min Scan# 51
Delta R.T. -0.012 min
Lab File: BM042609.D
Acq: 07 Nov 2023 10:15

Instrument :
BNA_M
ClientSampleId :
XA019

Tgt Ion:278 Resp: 91789
Ion Ratio Lower Upper
278 100
139 17.4 24.3 36.5#
279 24.0 31.5 47.3#



#29
Benzo(g,h,i)perylene
Concen: 5.021 ng/ul
RT: 27.097 min Scan# 6034
Delta R.T. -0.008 min
Lab File: BM042609.D
Acq: 07 Nov 2023 10:15

Tgt Ion:276 Resp: 87268
Ion Ratio Lower Upper
276 100
138 21.6 22.3 33.5#
277 23.7 23.6 35.4

