

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110723\
 Data File : BM042642.D
 Acq On : 08 Nov 2023 09:45
 Operator : MA/JU
 Sample : 05168-03
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 XA014

Quant Time: Nov 08 10:17:02 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)

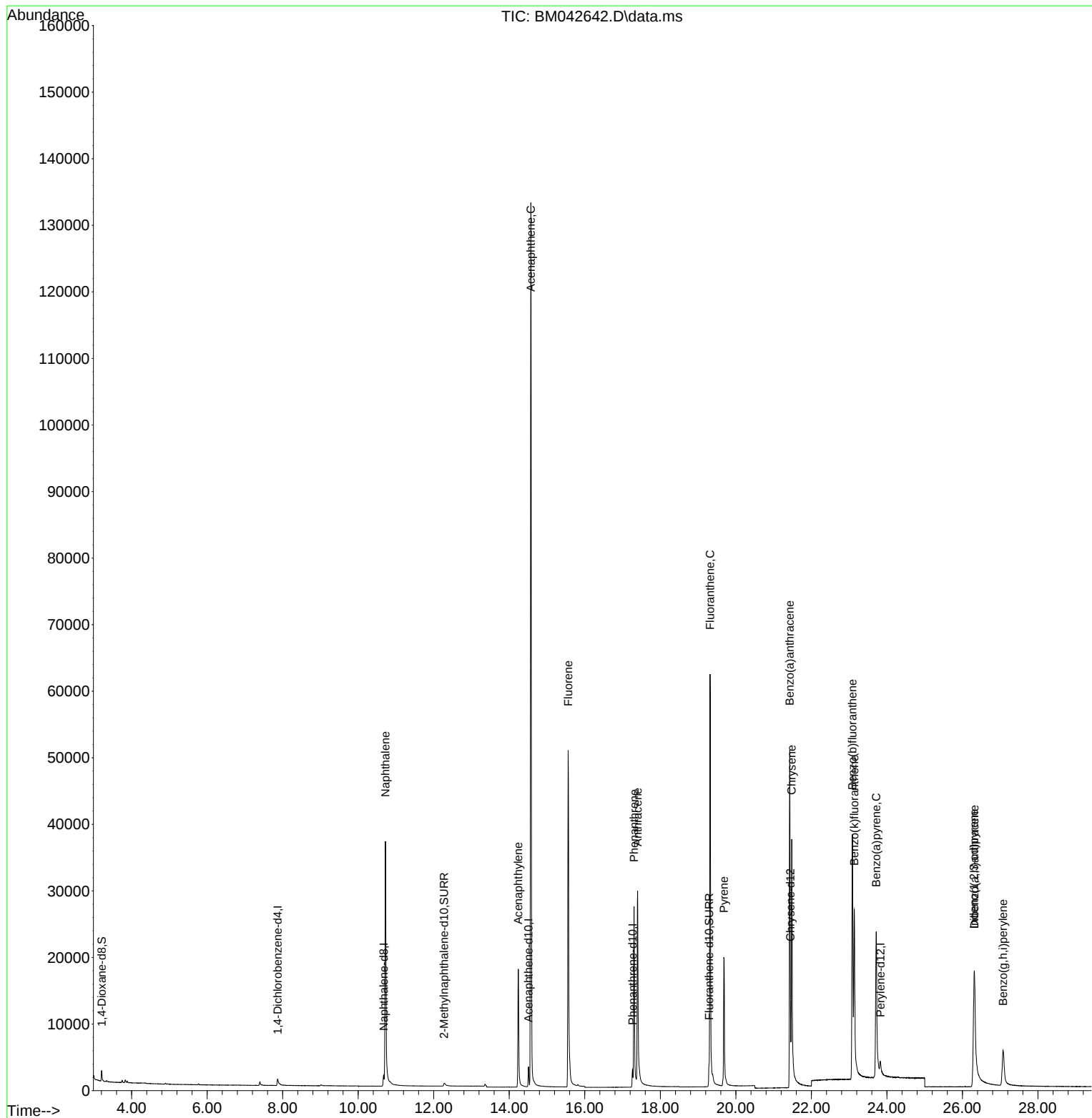
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.868	152	1090	0.400	ng/ul	0.00
4) Naphthalene-d8	10.671	136	2682	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.510	164	1603	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.262	188	3526	0.400	ng/ul	0.00
17) Chrysene-d12	21.444	240	2898	0.400	ng/ul	#-0.01
23) Perylene-d12	23.829	264	3005	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.206	96	962	0.668	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.277	152	1325	0.354	ng/ul	0.00
18) Fluoranthene-d10	19.289	212	3811	0.380	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.721	128	59164	6.832	ng/ul#	93
10) Acenaphthylene	14.237	152	23703	2.161	ng/ul	97
11) Acenaphthene	14.570	153	78475	10.543	ng/ul	98
12) Fluorene	15.560	166	37858	4.434	ng/ul	99
15) Phenanthrene	17.304	178	31760	2.323	ng/ul	96
16) Anthracene	17.397	178	39482	3.191	ng/ul	95
19) Fluoranthene	19.317	202	60057	3.316	ng/ul	97
20) Pyrene	19.684	202	20167	1.013	ng/ul	97
21) Benzo(a)anthracene	21.426	228	48401	3.752	ng/ul	96
22) Chrysene	21.479	228	36913	2.768	ng/ul	97
24) Benzo(b)fluoranthene	23.086	252	51981	4.283	ng/ul	79
25) Benzo(k)fluoranthene	23.136	252	38279	3.010	ng/ul#	79
26) Benzo(a)pyrene	23.718	252	43984	3.500	ng/ul#	72
27) Indeno(1,2,3-cd)pyrene	26.309	276	23132	1.416	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.319	278	32181	2.759	ng/ul#	75
29) Benzo(g,h,i)perylene	27.077	276	15462	1.018	ng/ul#	90

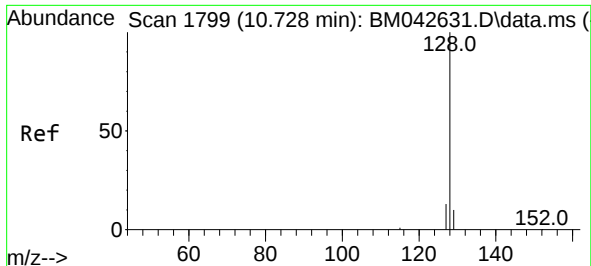
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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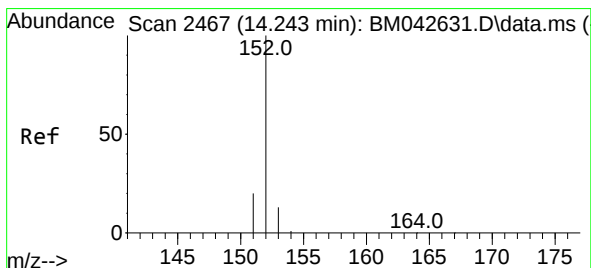
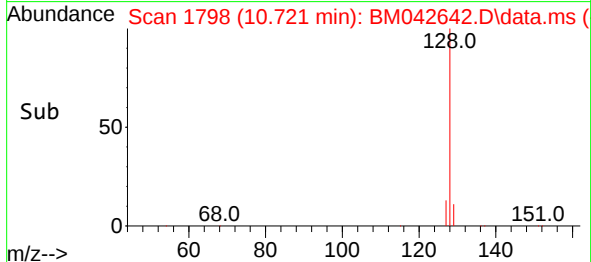
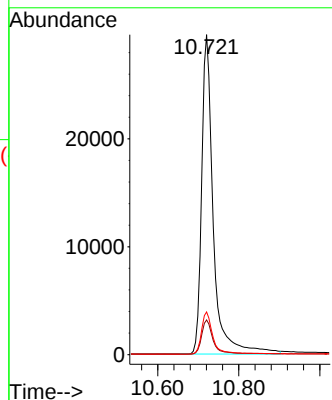
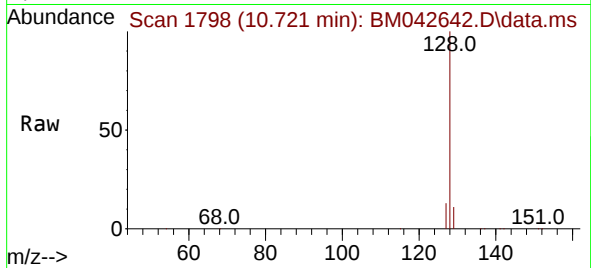




#5
Naphthalene
Concen: 6.832 ng/ul
RT: 10.721 min Scan# 1
Delta R.T. -0.015 min
Lab File: BM042642.D
Acq: 08 Nov 2023 09:45

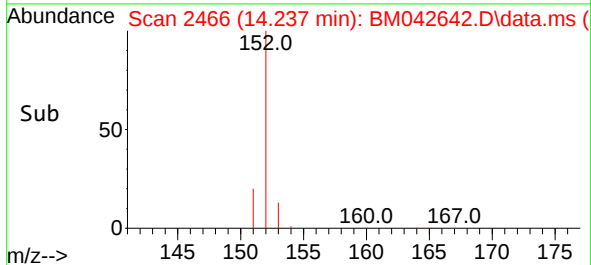
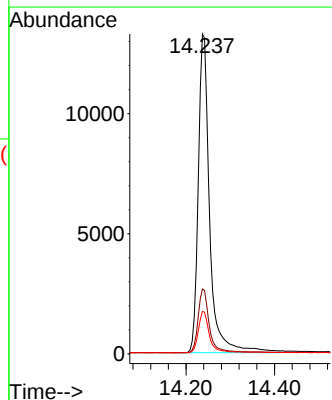
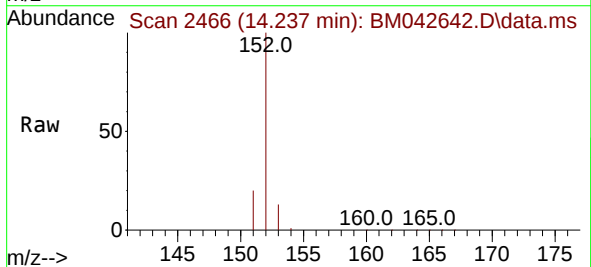
Instrument :
BNA_M
ClientSampleId :
XA014

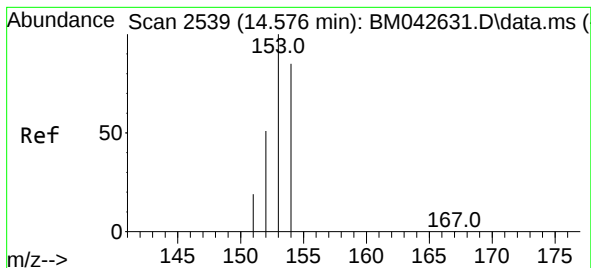
Tgt Ion:128 Resp: 59164
Ion Ratio Lower Upper
128 100
129 10.9 11.3 16.9#
127 13.4 13.0 19.4



#10
Acenaphthylene
Concen: 2.161 ng/ul
RT: 14.237 min Scan# 2466
Delta R.T. -0.008 min
Lab File: BM042642.D
Acq: 08 Nov 2023 09:45

Tgt Ion:152 Resp: 23703
Ion Ratio Lower Upper
152 100
151 20.3 17.2 25.8
153 13.3 11.8 17.8





#11

Acenaphthene

Concen: 10.543 ng/ul

RT: 14.570 min Scan# 21

Delta R.T. -0.008 min

Lab File: BM042642.D

Acq: 08 Nov 2023 09:45

Instrument :

BNA_M

ClientSampleId :

XA014

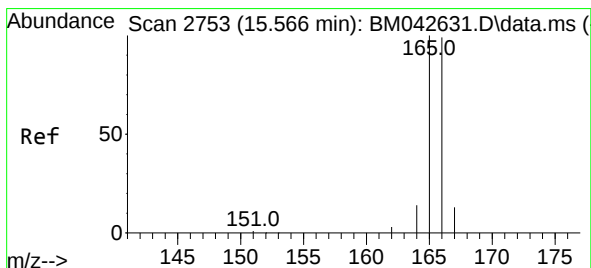
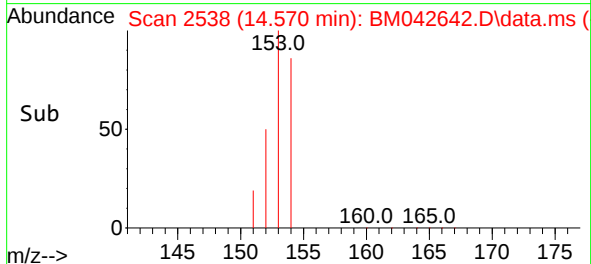
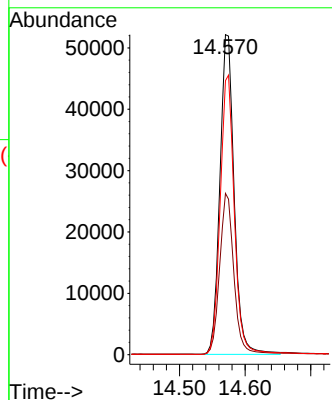
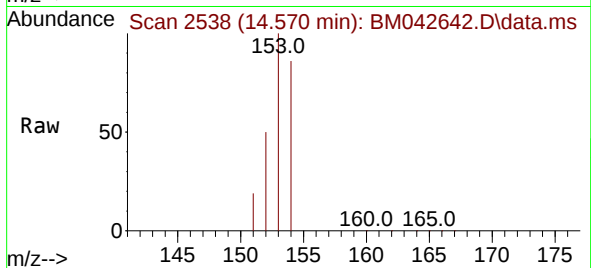
Tgt Ion:153 Resp: 78475

Ion Ratio Lower Upper

153 100

152 50.4 41.8 62.6

154 85.7 69.2 103.8



#12

Fluorene

Concen: 4.434 ng/ul

RT: 15.560 min Scan# 2752

Delta R.T. -0.008 min

Lab File: BM042642.D

Acq: 08 Nov 2023 09:45

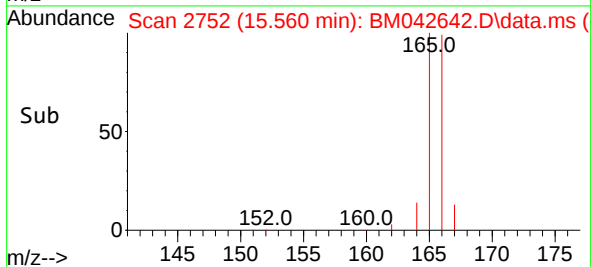
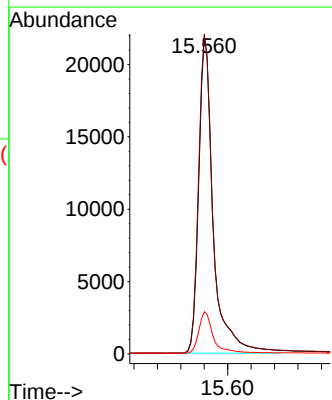
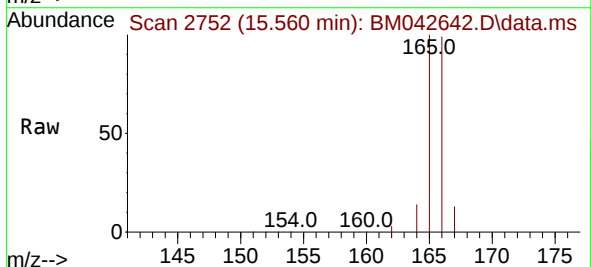
Tgt Ion:166 Resp: 37858

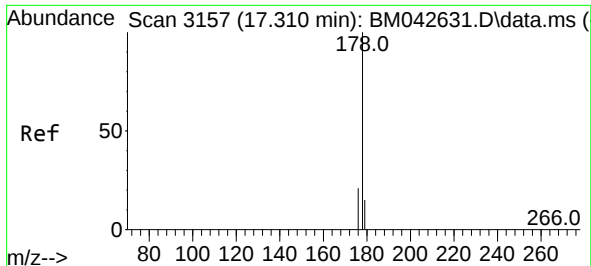
Ion Ratio Lower Upper

166 100

165 100.8 81.2 121.8

167 13.3 11.9 17.9

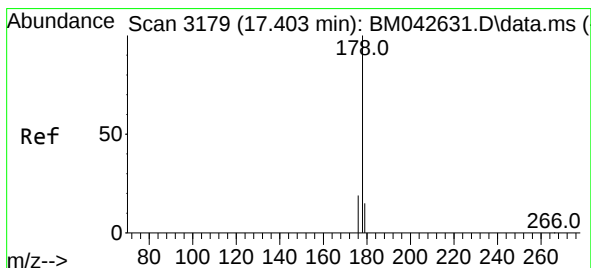
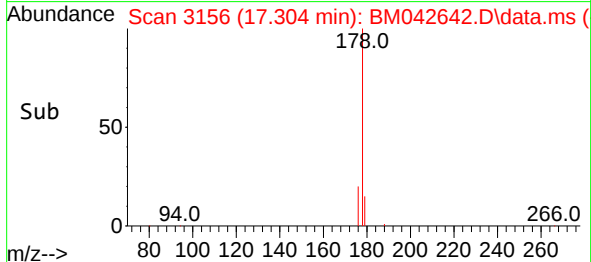
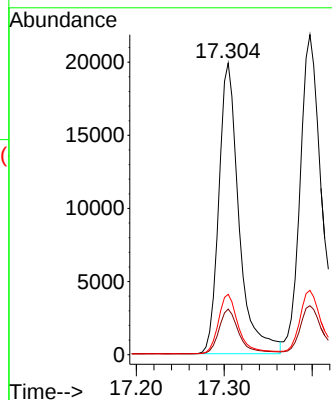
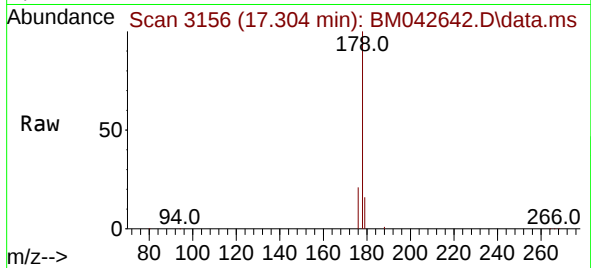




#15
Phenanthrene
Concen: 2.323 ng/ul
RT: 17.304 min Scan# 3156
Delta R.T. -0.007 min
Lab File: BM042642.D
Acq: 08 Nov 2023 09:45

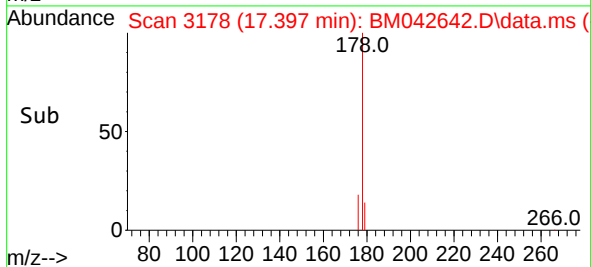
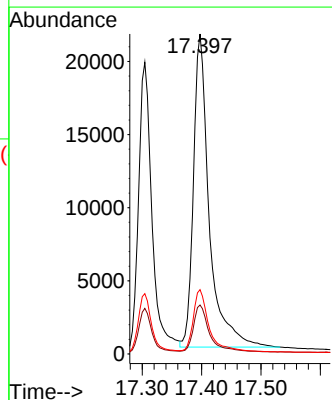
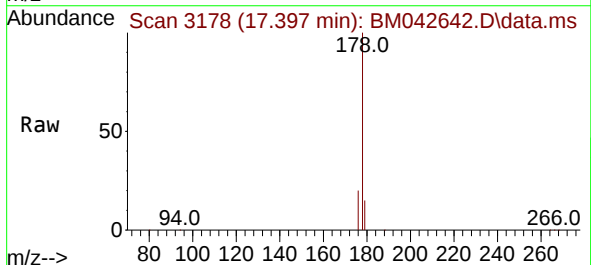
Instrument :
BNA_M
ClientSampleId :
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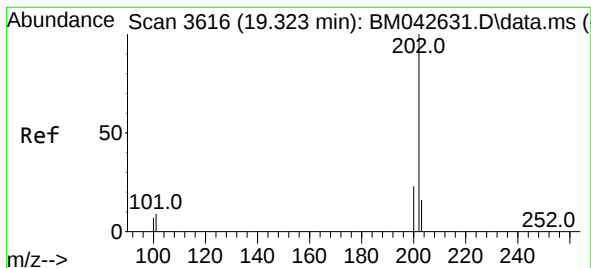
Tgt Ion:178 Resp: 31760
Ion Ratio Lower Upper
178 100
179 15.6 13.7 20.5
176 20.7 18.2 27.2



#16
Anthracene
Concen: 3.191 ng/ul
RT: 17.397 min Scan# 3178
Delta R.T. -0.012 min
Lab File: BM042642.D
Acq: 08 Nov 2023 09:45

Tgt Ion:178 Resp: 39482
Ion Ratio Lower Upper
178 100
179 15.3 14.2 21.4
176 20.1 17.6 26.4





#19

Fluoranthene

Concen: 3.316 ng/ul

RT: 19.317 min Scan# 3615

Delta R.T. -0.012 min

Lab File: BM042642.D

Acq: 08 Nov 2023 09:45

Instrument :

BNA_M

ClientSampleId :

XA014

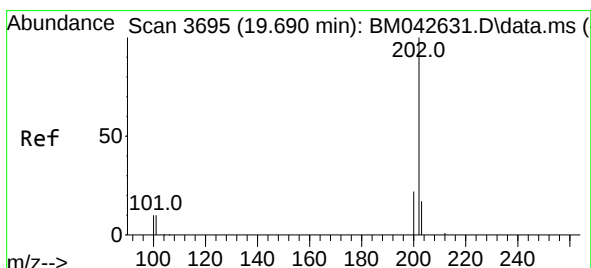
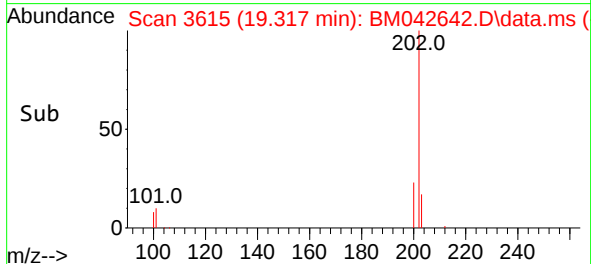
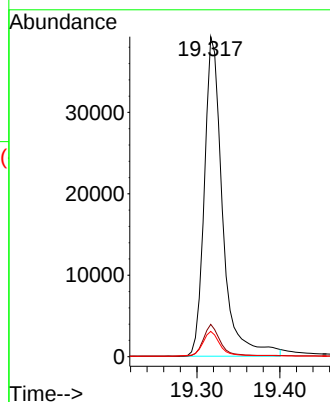
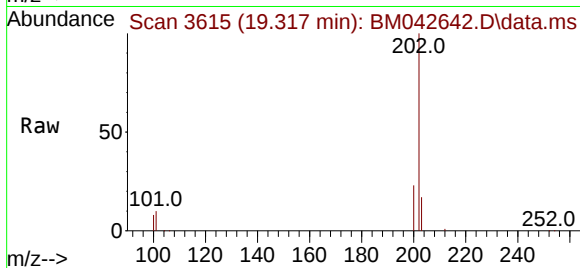
Tgt Ion:202 Resp: 60057

Ion Ratio Lower Upper

202 100

101 10.1 9.0 13.6

100 7.9 7.3 10.9



#20

Pyrene

Concen: 1.013 ng/ul

RT: 19.684 min Scan# 3694

Delta R.T. -0.012 min

Lab File: BM042642.D

Acq: 08 Nov 2023 09:45

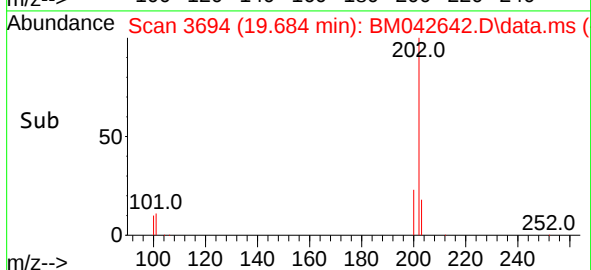
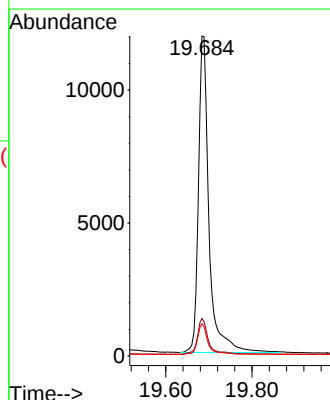
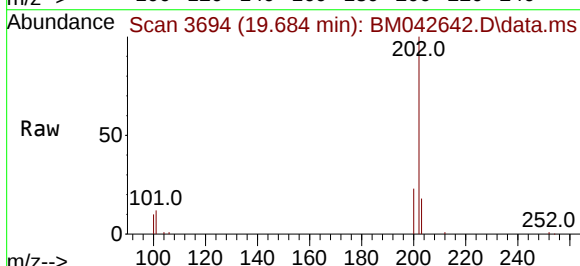
Tgt Ion:202 Resp: 20167

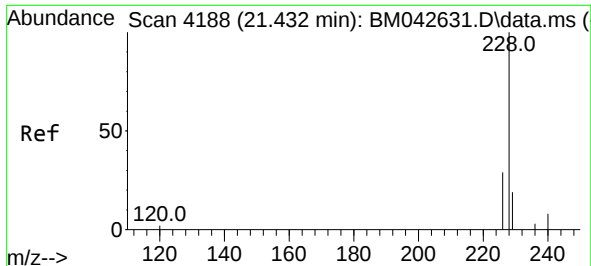
Ion Ratio Lower Upper

202 100

101 11.7 10.6 16.0

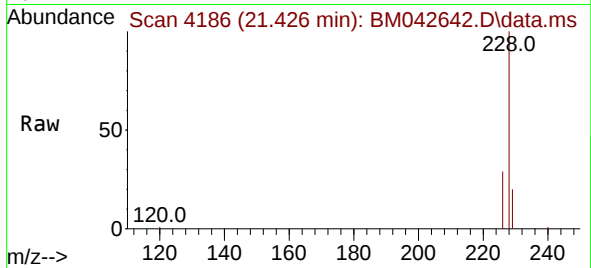
100 10.1 8.6 13.0



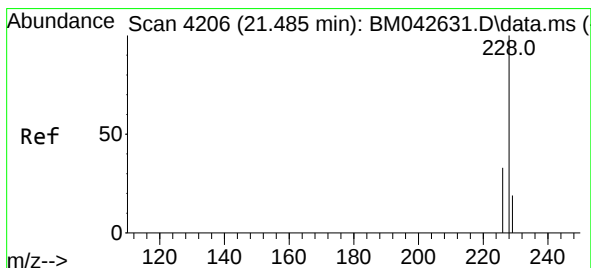
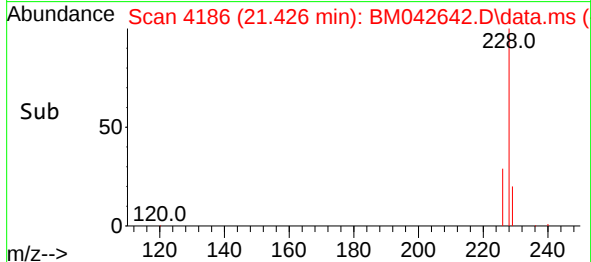
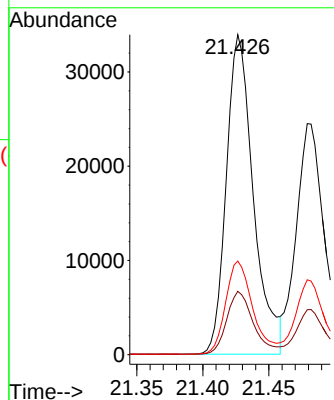


#21
Benzo(a)anthracene
Concen: 3.752 ng/ul
RT: 21.426 min Scan# 4186
Delta R.T. -0.010 min
Lab File: BM042642.D
Acq: 08 Nov 2023 09:45

Instrument :
BNA_M
ClientSampleId :
XA014

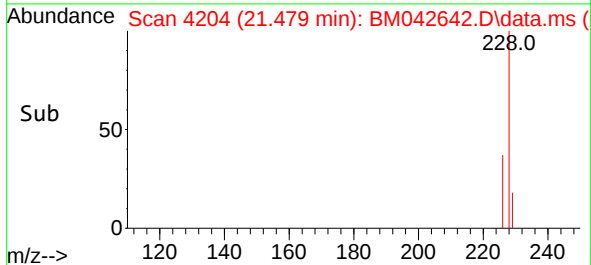
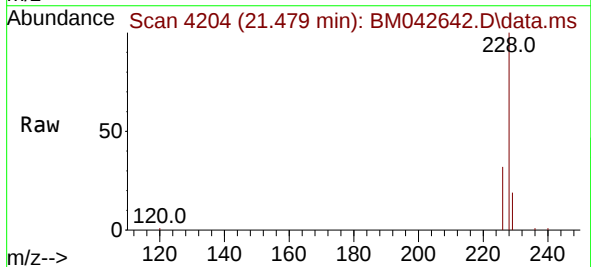
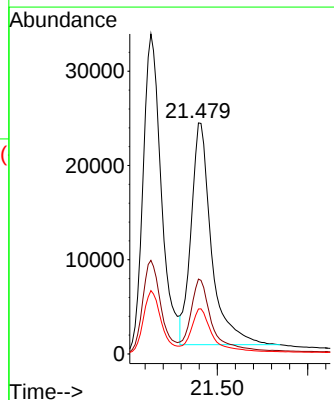


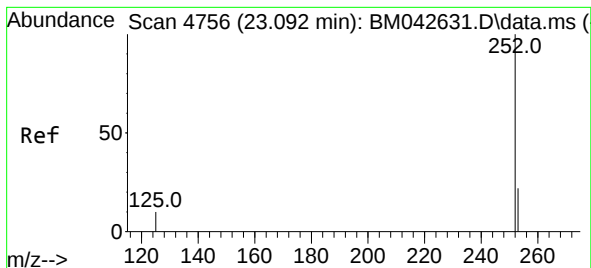
Tgt Ion:228 Resp: 48401
Ion Ratio Lower Upper
228 100
229 19.8 17.0 25.4
226 29.3 25.2 37.8



#22
Chrysene
Concen: 2.768 ng/ul
RT: 21.479 min Scan# 4204
Delta R.T. -0.013 min
Lab File: BM042642.D
Acq: 08 Nov 2023 09:45

Tgt Ion:228 Resp: 36913
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: 4.283 ng/ul

RT: 23.086 min Scan# 4756

Delta R.T. -0.013 min

Lab File: BM042642.D

Acq: 08 Nov 2023 09:45

Instrument :

BNA_M

ClientSampleId :

XA014

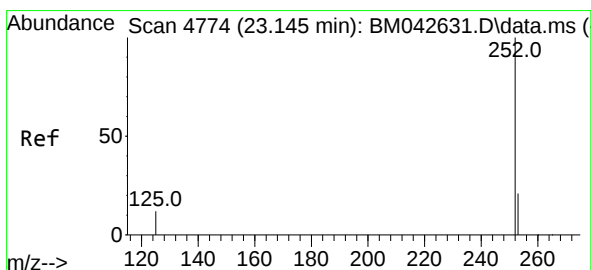
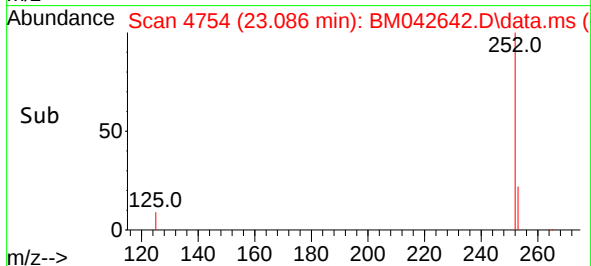
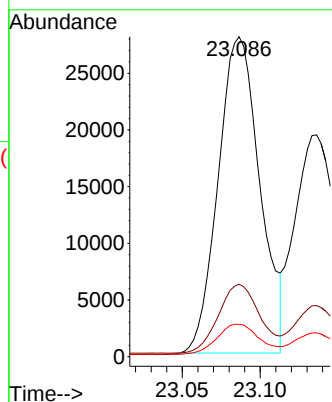
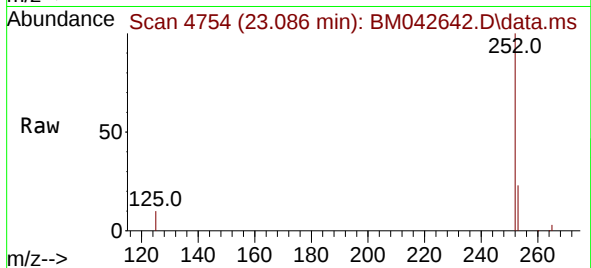
Tgt Ion:252 Resp: 51981

Ion Ratio Lower Upper

252 100

253 22.6 0.0 65.8

125 10.1 0.0 43.6



#25

Benzo(k)fluoranthene

Concen: 3.010 ng/ul

RT: 23.136 min Scan# 4771

Delta R.T. -0.013 min

Lab File: BM042642.D

Acq: 08 Nov 2023 09:45

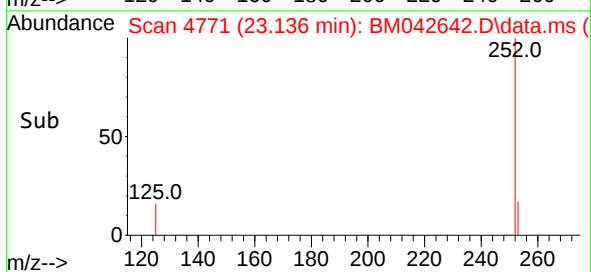
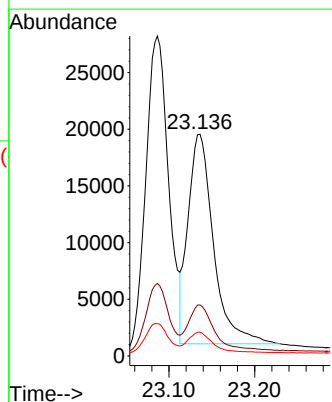
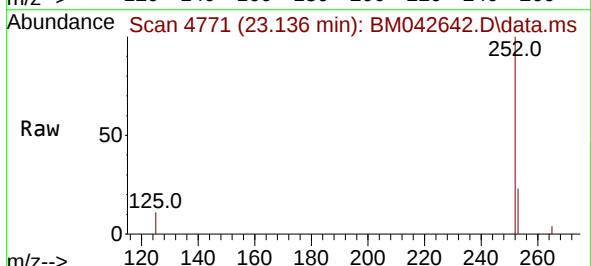
Tgt Ion:252 Resp: 38279

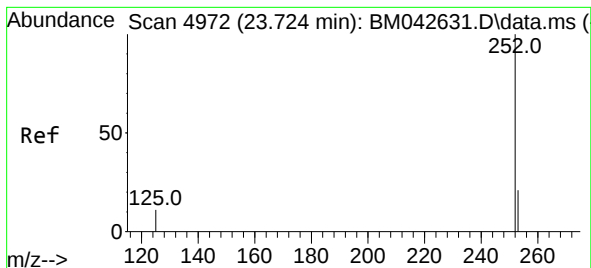
Ion Ratio Lower Upper

252 100

253 23.0 27.0 40.6#

125 10.7 17.5 26.3#





#26

Benzo(a)pyrene

Concen: 3.500 ng/ul

RT: 23.718 min Scan# 4972

Delta R.T. -0.016 min

Lab File: BM042642.D

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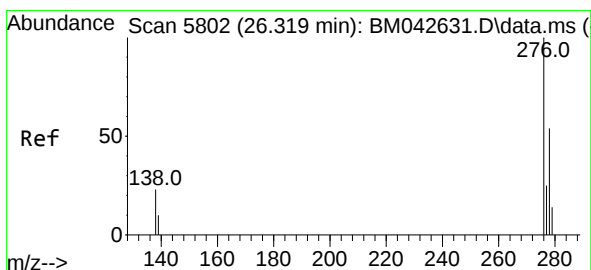
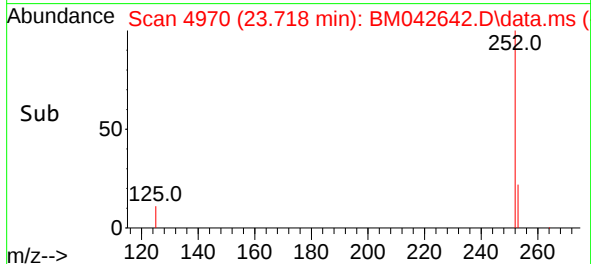
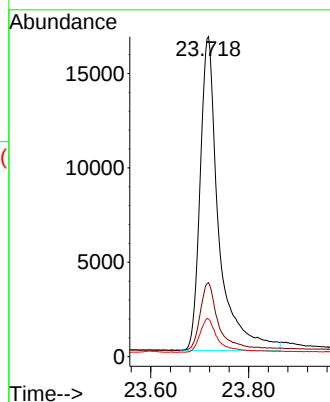
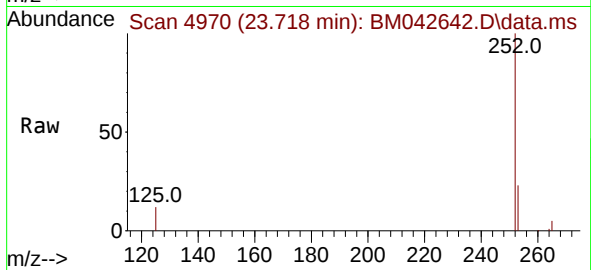
Tgt Ion:252 Resp: 43984

Ion Ratio Lower Upper

252 100

253 23.1 31.7 47.5#

125 11.7 22.1 33.1#



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.416 ng/ul

RT: 26.309 min Scan# 5799

Delta R.T. -0.019 min

Lab File: BM042642.D

Acq: 08 Nov 2023 09:45

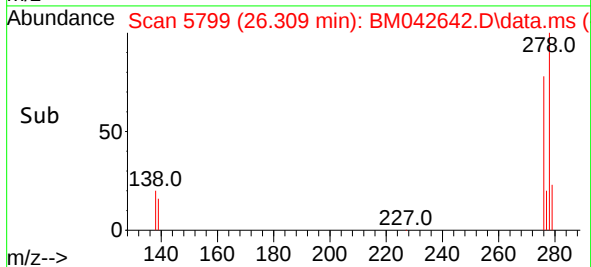
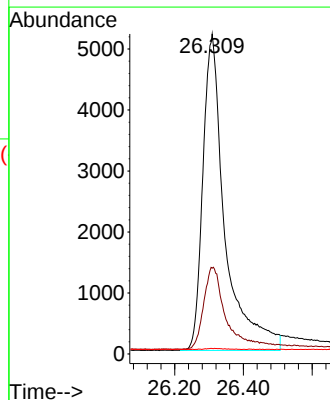
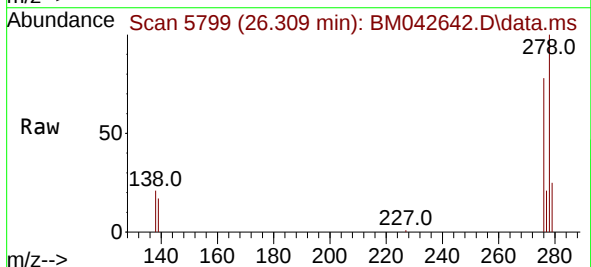
Tgt Ion:276 Resp: 23132

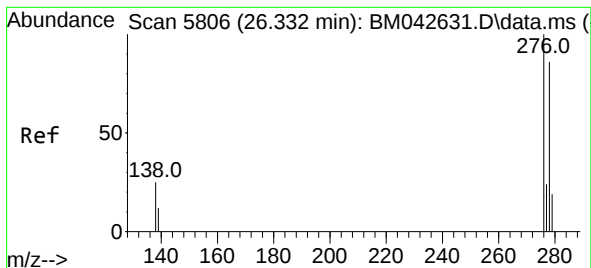
Ion Ratio Lower Upper

276 100

138 26.9 20.7 31.1

227 0.2 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 2.759 ng/ul

RT: 26.319 min Scan# 5802

Delta R.T. -0.029 min

Lab File: BM042642.D

Acq: 08 Nov 2023 09:45

Instrument :

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ClientSampleId :

XA014

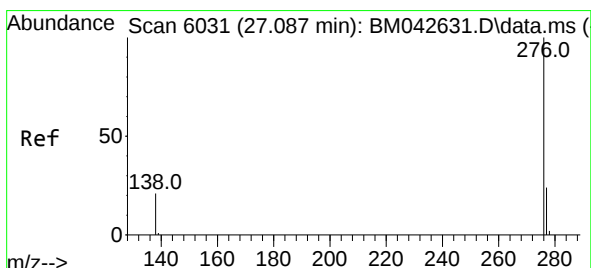
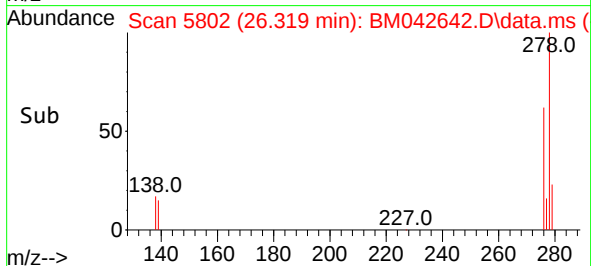
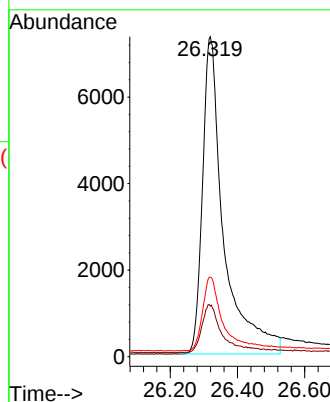
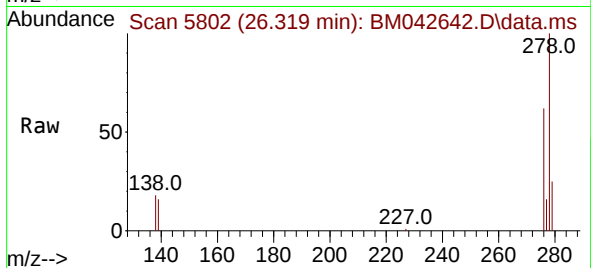
Tgt Ion:278 Resp: 32181

Ion Ratio Lower Upper

278 100

139 15.8 24.3 36.5#

279 24.9 31.5 47.3#



#29

Benzo(g,h,i)perylene

Concen: 1.018 ng/ul

RT: 27.077 min Scan# 6028

Delta R.T. -0.029 min

Lab File: BM042642.D

Acq: 08 Nov 2023 09:45

Tgt Ion:276 Resp: 15462

Ion Ratio Lower Upper

276 100

138 22.0 22.3 33.5#

277 25.2 23.6 35.4

