

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045909.D
 Acq On : 08 Jun 2024 10:49
 Operator : MA/JU
 Sample : P2640-03
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BH5

Quant Time: Jun 10 01:27:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 07 22:59:16 2024
 Response via : Initial Calibration

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

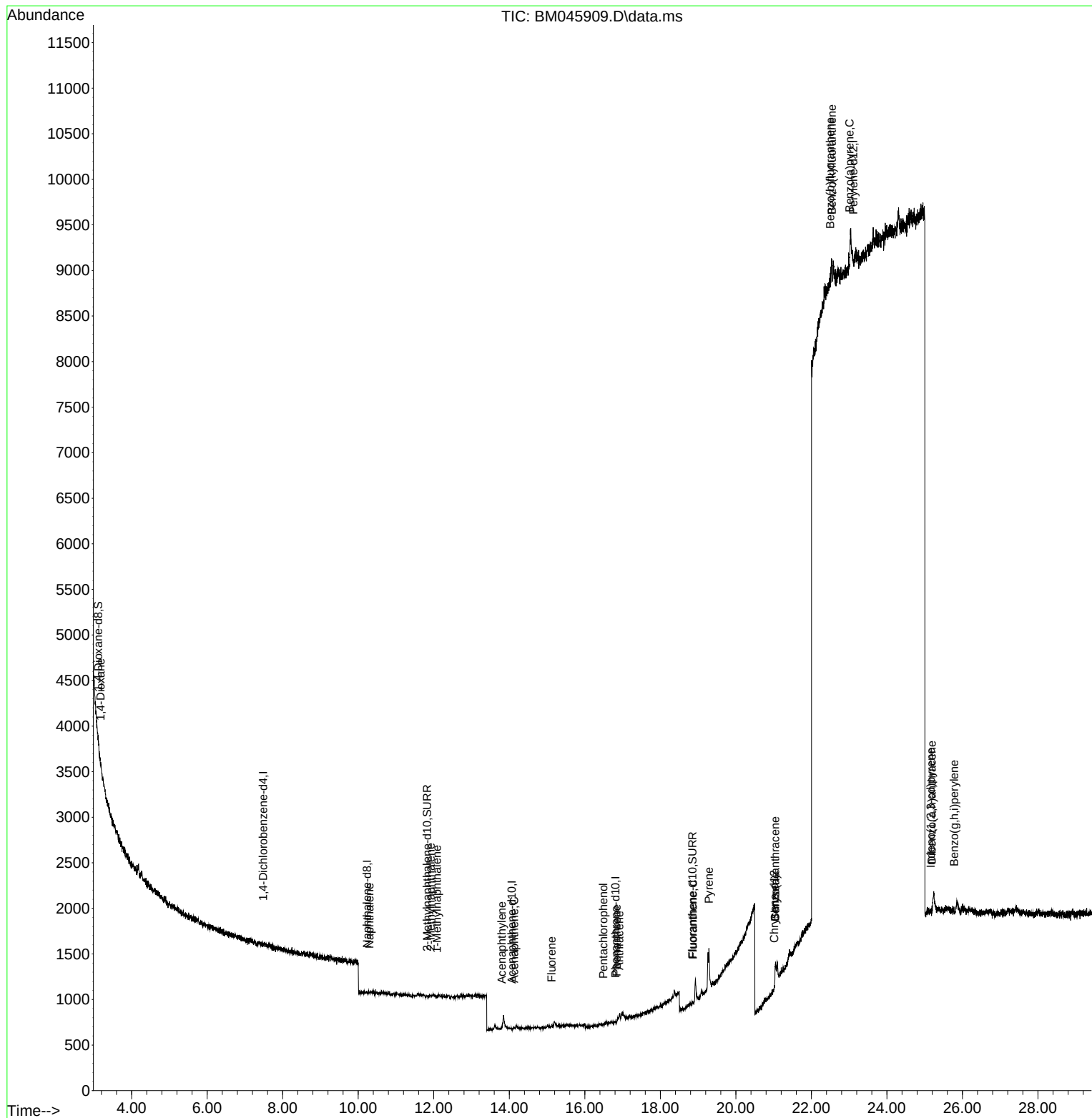
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.480	152	3	0.400	ng/ul	# 0.00
4) Naphthalene-d8	10.238	136	5	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.067	164	5	0.400	ng/ul	#-0.05
13) Phenanthrene-d10	16.808	188	3	0.400	ng/ul	#-0.06
17) Chrysene-d12	21.014	240	20	0.400	ng/ul	#-0.04
23) Perylene-d12	23.112	264	9	0.400	ng/ul	#-0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.113	96	63	18.438	ng/ul	0.03
6) 2-Methylnaphthalene-d10	11.827	152	7	0.973	ng/ul	-0.02
18) Fluoranthene-d10	18.849	212	4	0.067	ng/ul	-0.05
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.176	88	8	2.046	ng/ul#	37
5) Naphthalene	10.299	128	15	1.148	ng/ul#	1
7) 2-Methylnaphthalene	11.921	142	13	1.560	ng/ul#	16
8) 1-Methylnaphthalene	12.080	142	13	1.435	ng/ul	84
10) Acenaphthylene	13.799	152	6	0.264	ng/ul#	1
11) Acenaphthene	14.127	153	5	0.299	ng/ul#	67
12) Fluorene	15.117	166	14	0.750	ng/ul#	50
14) Pentachlorophenol	16.491	266	10	17.827	ng/ul#	63
15) Phenanthrene	16.846	178	5	0.594	ng/ul#	1
16) Anthracene	16.913	178	146	20.322	ng/ul#	1
19) Fluoranthene	18.863	202	13	0.163	ng/ul#	1
20) Pyrene	19.286	202	403	4.844	ng/ul#	46
21) Benzo(a)anthracene	21.041	228	279	3.800	ng/ul#	1
22) Chrysene	21.041	228	279	3.491	ng/ul#	1
24) Benzo(b)fluoranthene	22.501	252	24	0.804	ng/ul#	1
25) Benzo(k)fluoranthene	22.542	252	320	9.755	ng/ul#	1
26) Benzo(a)pyrene	23.010	252	36	1.213	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.162	276	11	0.287	ng/ul#	1
28) Dibenzo(a,h)anthracene	25.188	278	7	0.228	ng/ul#	1
29) Benzo(g,h,i)perylene	25.779	276	11	0.332	ng/ul#	1

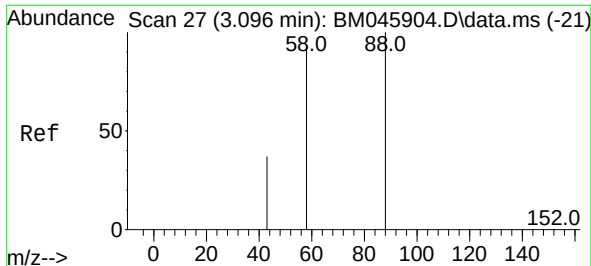
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

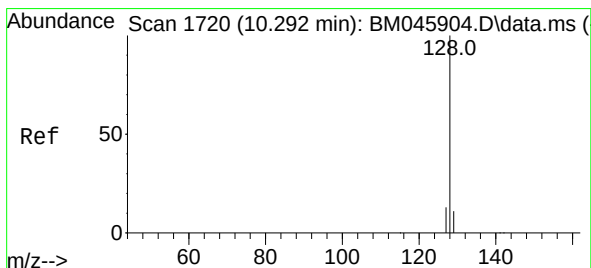
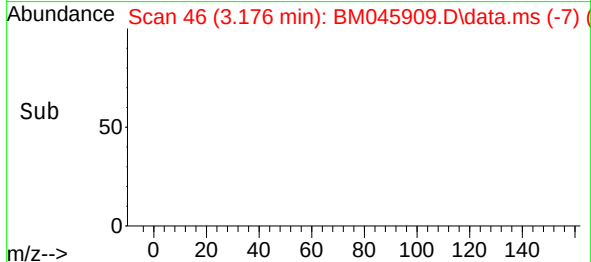
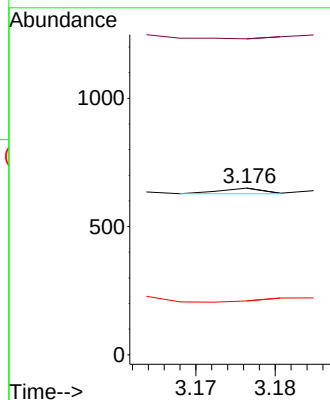
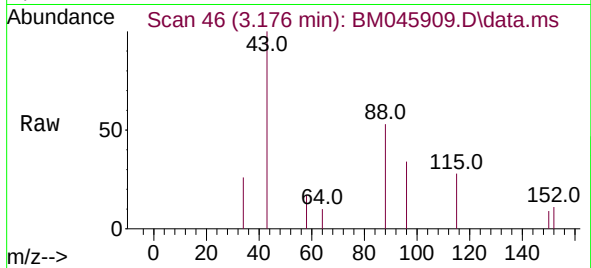




#2
1,4-Dioxane
Concen: 2.046 ng/ul
RT: 3.176 min Scan# 40
Delta R.T. 0.063 min
Lab File: BM045909.D
Acq: 08 Jun 2024 10:49

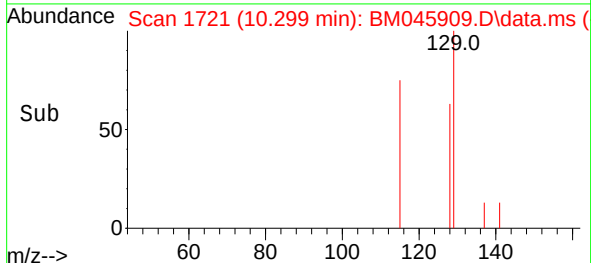
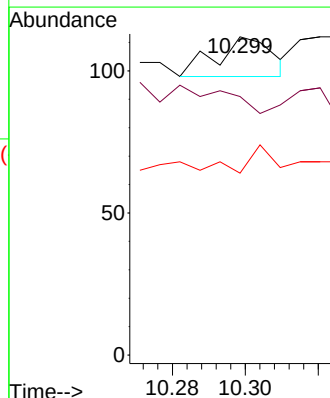
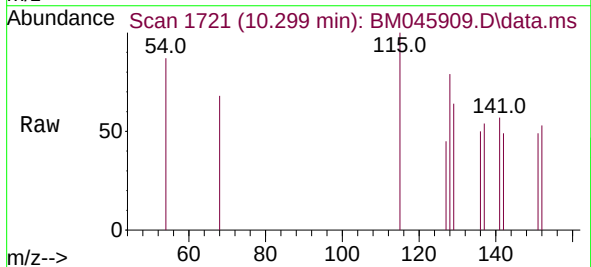
Instrument :
BNA_M
ClientSampleId :
A4BH5

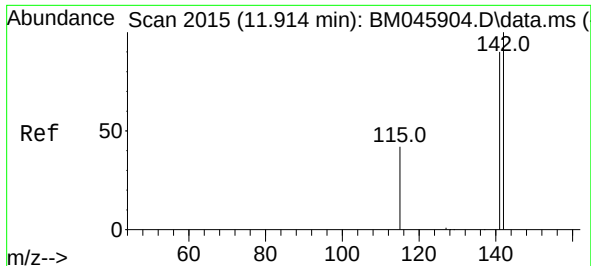
Tgt Ion: 88 Resp: 8
Ion Ratio Lower Upper
88 100
43 189.5 87.4 131.2#
58 32.3 51.1 76.7#



#5
Naphthalene
Concen: 1.148 ng/ul
RT: 10.299 min Scan# 1721
Delta R.T. -0.004 min
Lab File: BM045909.D
Acq: 08 Jun 2024 10:49

Tgt Ion:128 Resp: 15
Ion Ratio Lower Upper
128 100
129 81.3 9.4 14.0#
127 57.1 10.6 15.8#

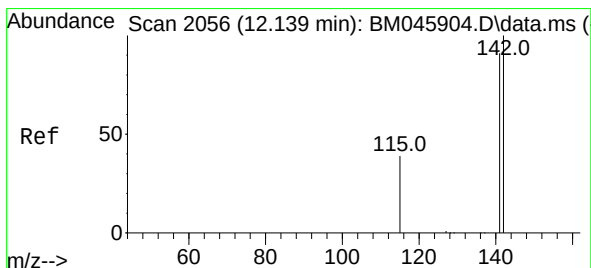
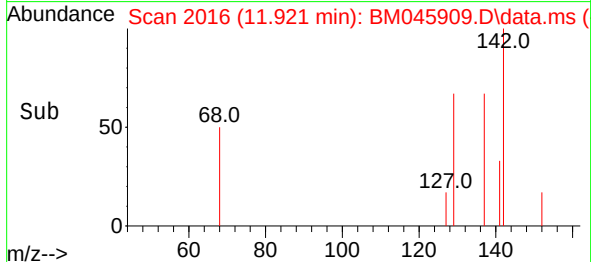
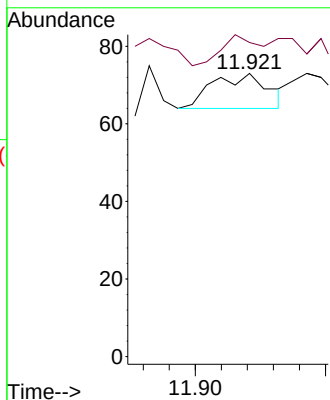
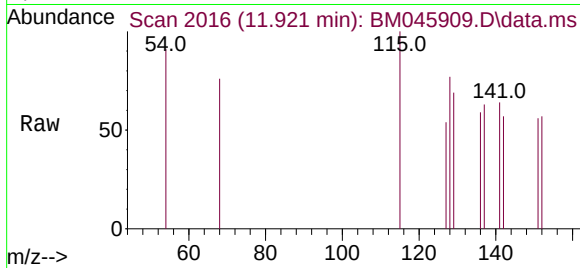




#7
2-Methylnaphthalene
Concen: 1.560 ng/ul
RT: 11.921 min Scan# 2016
Delta R.T. 0.001 min
Lab File: BM045909.D
Acq: 08 Jun 2024 10:49

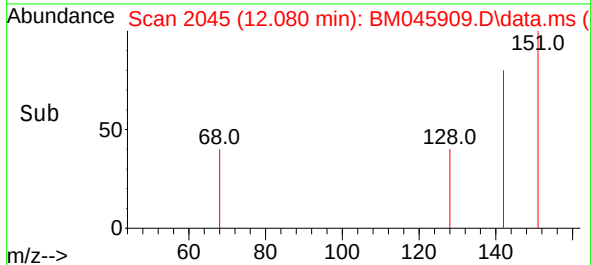
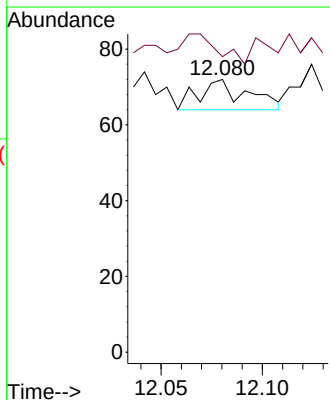
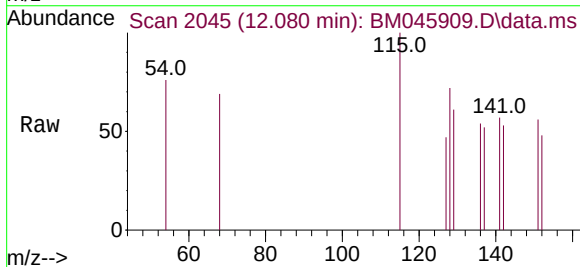
Instrument :
BNA_M
ClientSampleId :
A4BH5

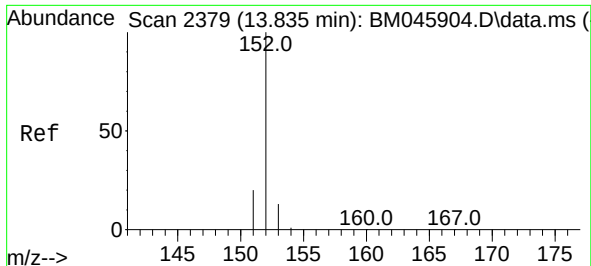
Tgt Ion:142 Resp: 13
Ion Ratio Lower Upper
142 100
141 169.2 72.2 108.4#



#8
1-Methylnaphthalene
Concen: 1.435 ng/ul
RT: 12.080 min Scan# 2045
Delta R.T. -0.065 min
Lab File: BM045909.D
Acq: 08 Jun 2024 10:49

Tgt Ion:142 Resp: 13
Ion Ratio Lower Upper
142 100
141 76.9 73.5 110.3





#10

Acenaphthylene

Concen: 0.264 ng/ul

RT: 13.799 min Scan# 2442

Delta R.T. -0.040 min

Lab File: BM045909.D

Acq: 08 Jun 2024 10:49

Instrument :

BNA_M

ClientSampleId :

A4BH5

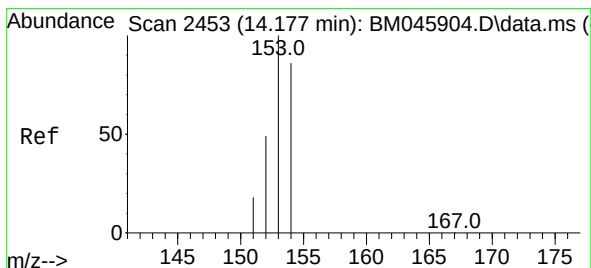
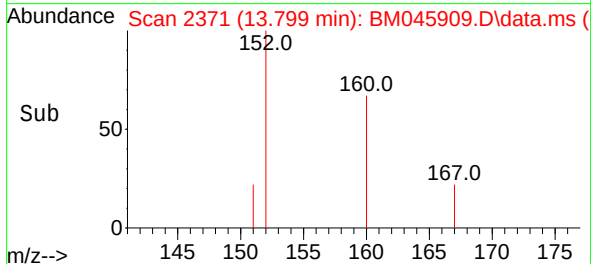
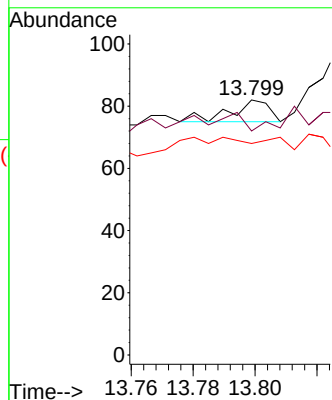
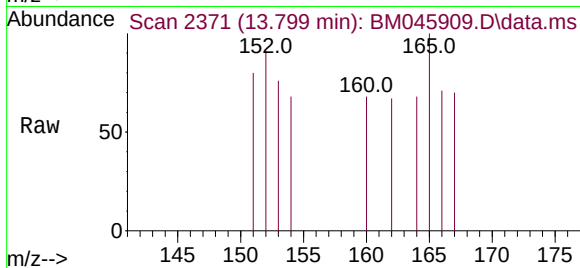
Tgt Ion:152 Resp: 6

Ion Ratio Lower Upper

152 100

151 87.8 16.4 24.6#

153 82.9 11.1 16.7#



#11

Acenaphthene

Concen: 0.299 ng/ul

RT: 14.127 min Scan# 2442

Delta R.T. -0.054 min

Lab File: BM045909.D

Acq: 08 Jun 2024 10:49

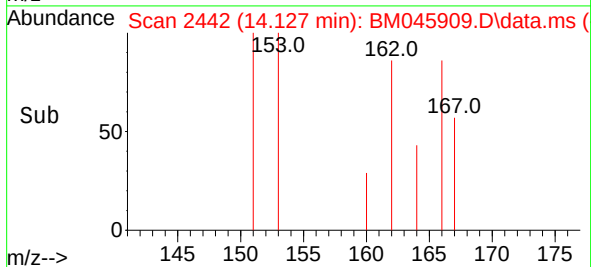
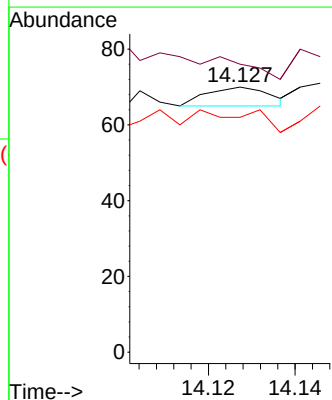
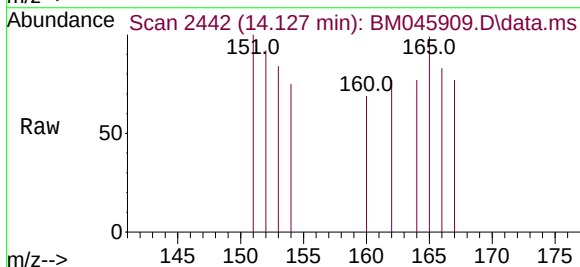
Tgt Ion:153 Resp: 5

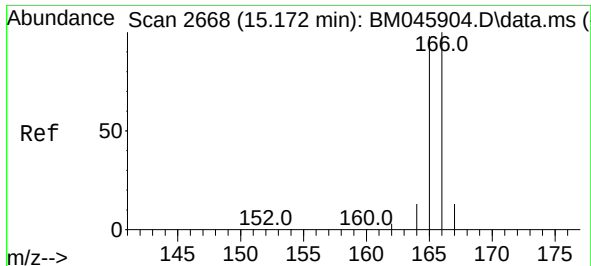
Ion Ratio Lower Upper

153 100

152 108.6 39.0 58.4#

154 88.6 69.4 104.2

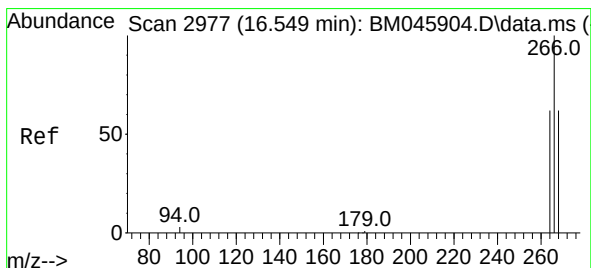
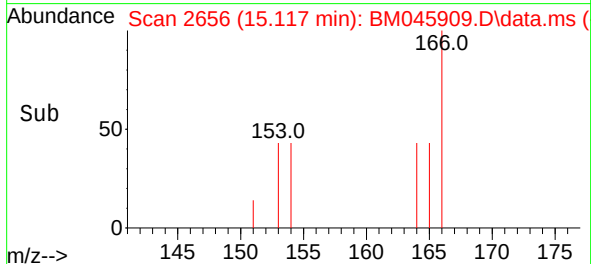
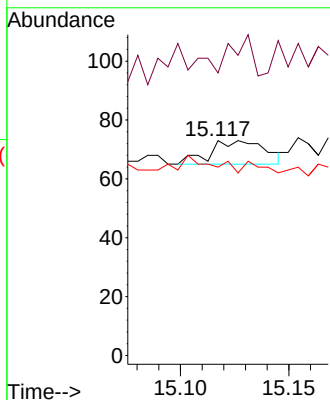
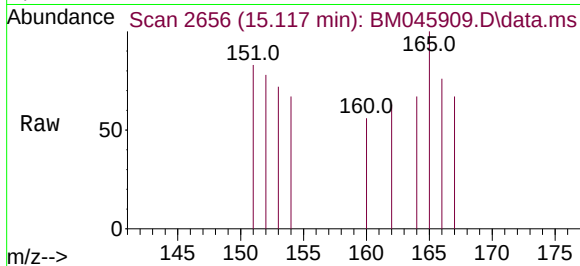




#12
Fluorene
Concen: 0.750 ng/ul
RT: 15.117 min Scan# 2
Delta R.T. -0.059 min
Lab File: BM045909.D
Acq: 08 Jun 2024 10:49

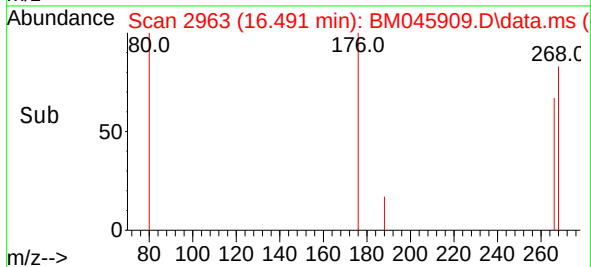
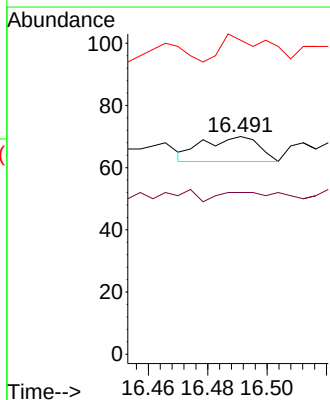
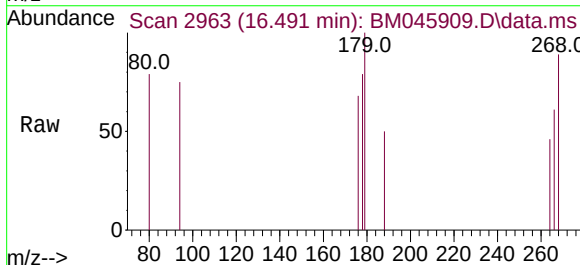
Instrument :
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ClientSampleId :
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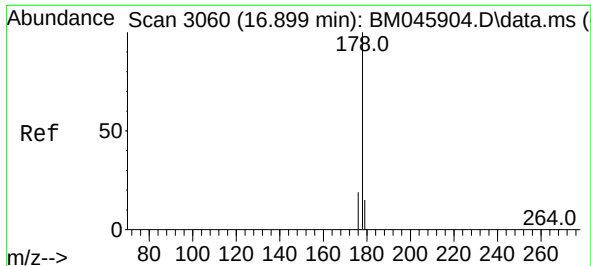
Tgt Ion:166 Resp: 14
Ion Ratio Lower Upper
166 100
165 131.5 79.7 119.5#
167 87.7 11.3 16.9#



#14
Pentachlorophenol
Concen: 17.827 ng/ul
RT: 16.491 min Scan# 2963
Delta R.T. -0.062 min
Lab File: BM045909.D
Acq: 08 Jun 2024 10:49

Tgt Ion:266 Resp: 10
Ion Ratio Lower Upper
266 100
264 50.0 47.9 71.9
268 110.0 50.9 76.3#





#15

Phenanthrene

Concen: 0.594 ng/ul

RT: 16.846 min Scan# 3047

Delta R.T. -0.058 min

Lab File: BM045909.D

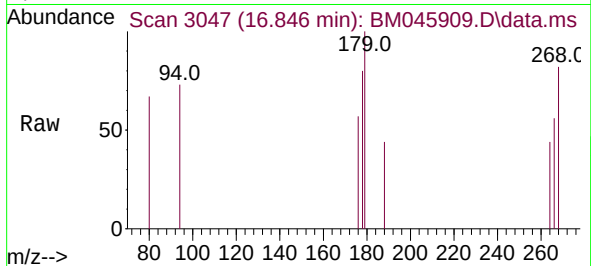
Acq: 08 Jun 2024 10:49

Instrument :

BNA_M

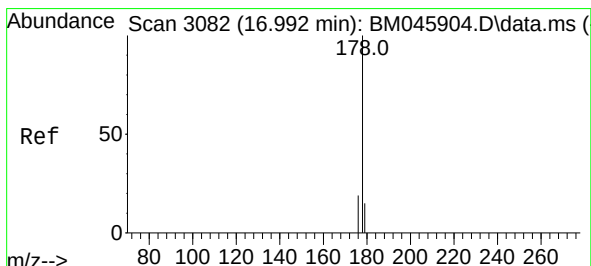
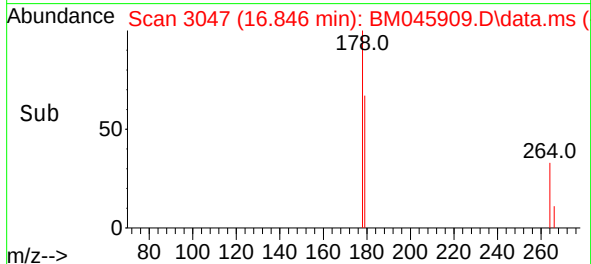
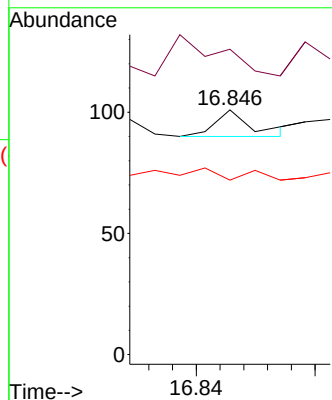
ClientSampleId :

A4BH5



Tgt Ion:178 Resp: 5

Ion	Ratio	Lower	Upper
178	100		
179	124.8	12.7	19.1#
176	71.3	15.6	23.4#



#16

Anthracene

Concen: 20.322 ng/ul

RT: 16.913 min Scan# 3063

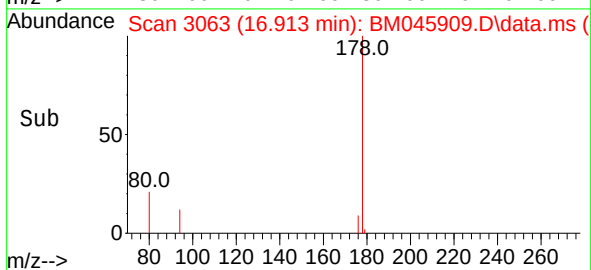
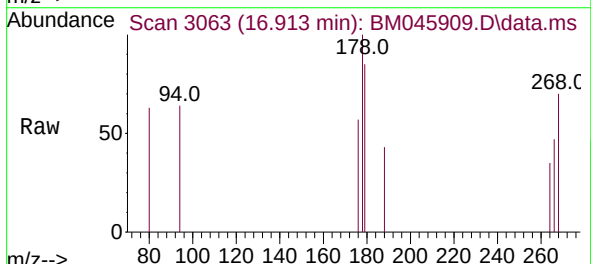
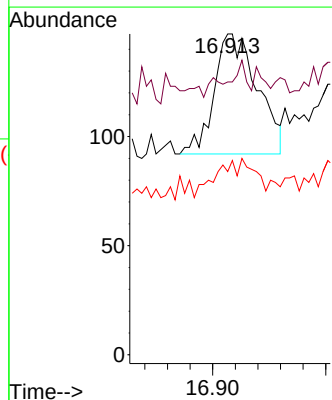
Delta R.T. -0.083 min

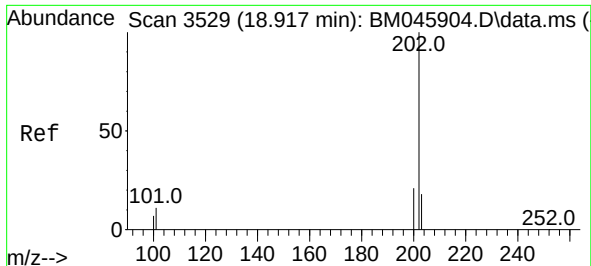
Lab File: BM045909.D

Acq: 08 Jun 2024 10:49

Tgt Ion:178 Resp: 146

Ion	Ratio	Lower	Upper
178	100		
179	85.0	13.1	19.7#
176	57.1	15.5	23.3#





#19

Fluoranthene

Concen: 0.163 ng/ul

RT: 18.863 min Scan# 3517

Delta R.T. -0.059 min

Lab File: BM045909.D

Acq: 08 Jun 2024 10:49

Instrument :

BNA_M

ClientSampleId :

A4BH5

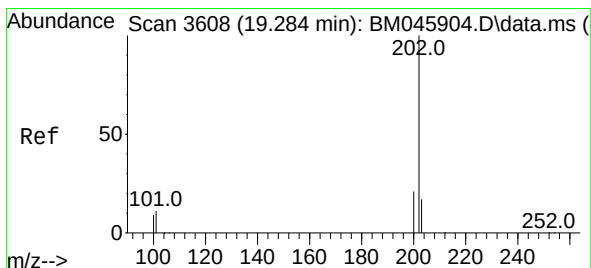
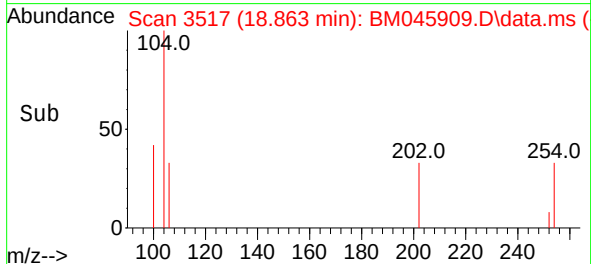
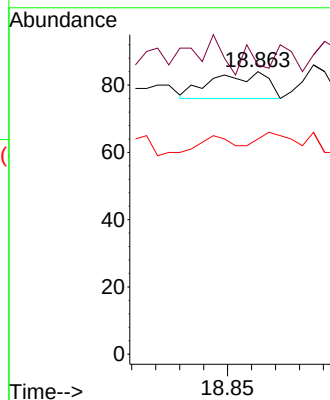
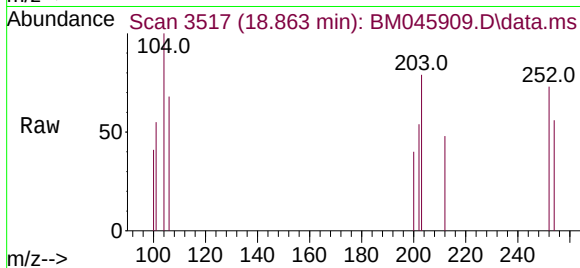
Tgt Ion:202 Resp: 13

Ion Ratio Lower Upper

202 100

101 102.4 9.0 13.6#

100 76.2 7.0 10.6#



#20

Pyrene

Concen: 4.844 ng/ul

RT: 19.286 min Scan# 3608

Delta R.T. 0.001 min

Lab File: BM045909.D

Acq: 08 Jun 2024 10:49

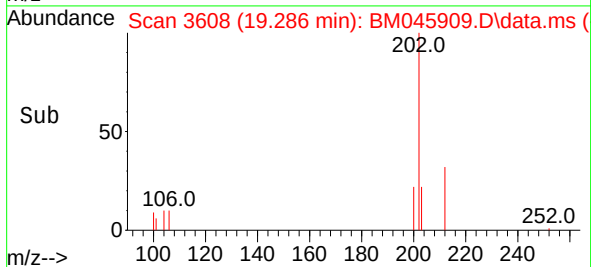
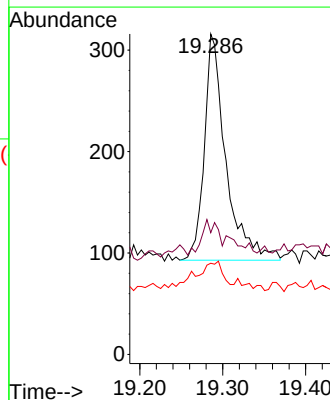
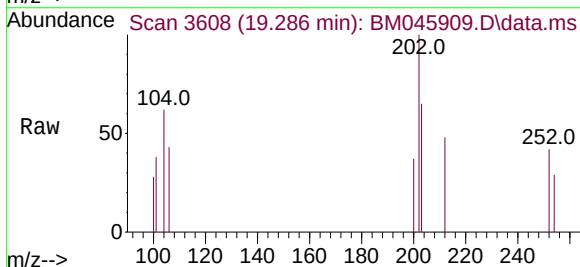
Tgt Ion:202 Resp: 403

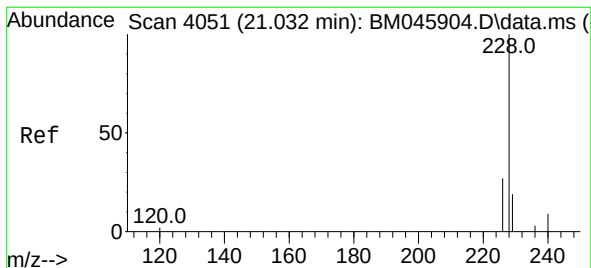
Ion Ratio Lower Upper

202 100

101 38.0 10.6 16.0#

100 28.5 9.1 13.7#





#21

Benzo(a)anthracene

Concen: 3.800 ng/ul

RT: 21.041 min Scan# 4054

Delta R.T. 0.005 min

Lab File: BM045909.D

Acq: 08 Jun 2024 10:49

Instrument :

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ClientSampleId :

A4BH5

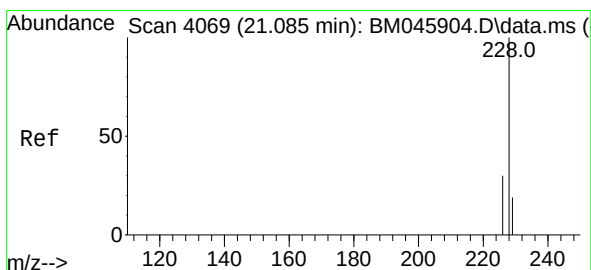
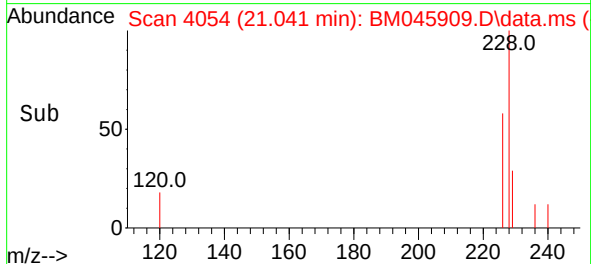
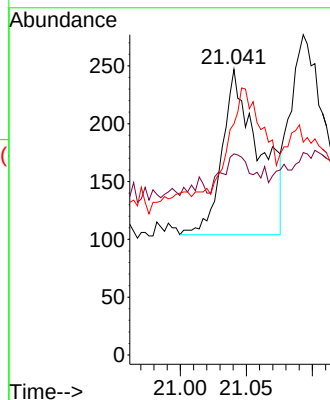
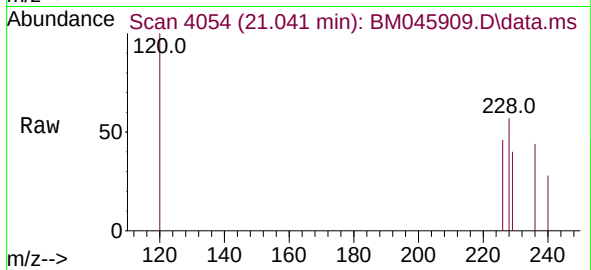
Tgt Ion:228 Resp: 279

Ion Ratio Lower Upper

228 100

229 70.4 15.7 23.5#

226 81.0 22.0 33.0#



#22

Chrysene

Concen: 3.491 ng/ul

RT: 21.041 min Scan# 4054

Delta R.T. -0.047 min

Lab File: BM045909.D

Acq: 08 Jun 2024 10:49

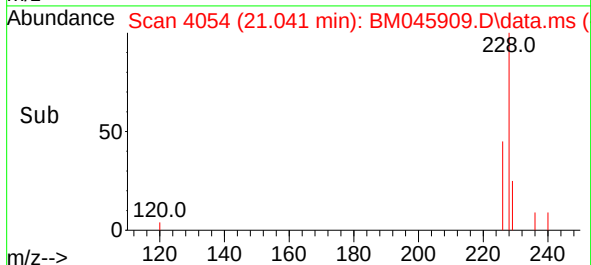
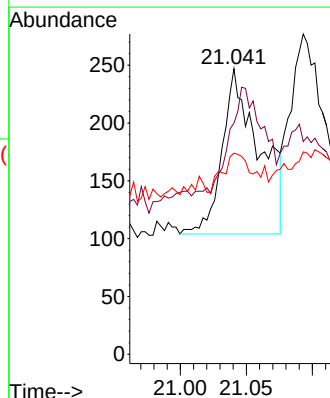
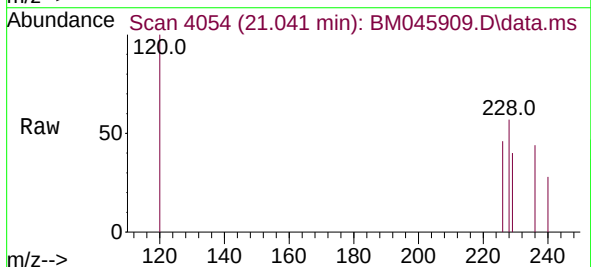
Tgt Ion:228 Resp: 279

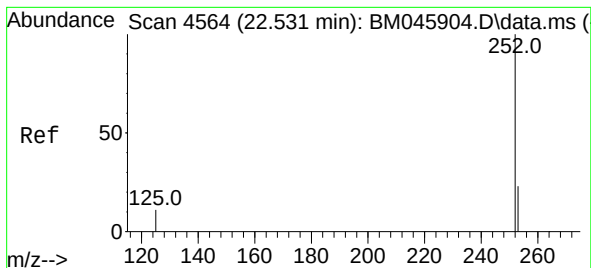
Ion Ratio Lower Upper

228 100

226 81.0 24.5 36.7#

229 70.4 16.2 24.2#





#24

Benzo(b)fluoranthene

Concen: 0.804 ng/ul

RT: 22.501 min Scan# 4554

Delta R.T. -0.036 min

Lab File: BM045909.D

Acq: 08 Jun 2024 10:49

Instrument :

BNA_M

ClientSampleId :

A4BH5

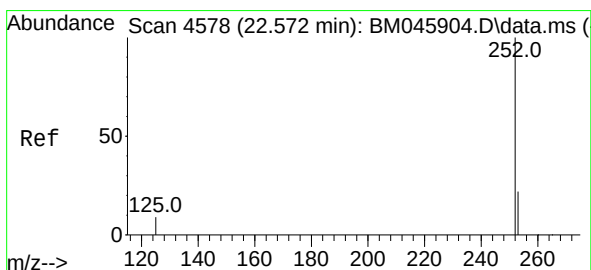
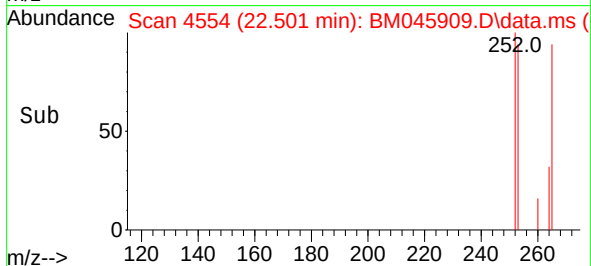
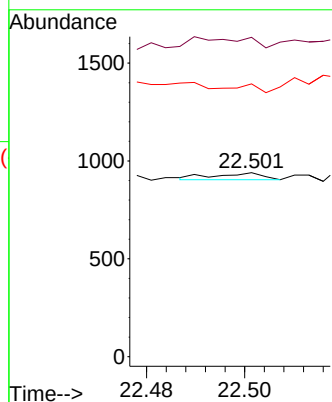
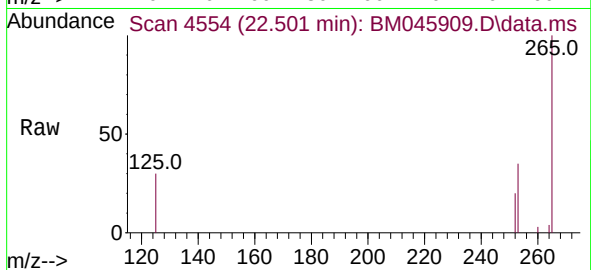
Tgt Ion:252 Resp: 24

Ion Ratio Lower Upper

252 100

253 173.6 0.0 63.6#

125 148.3 0.0 35.8#



#25

Benzo(k)fluoranthene

Concen: 9.755 ng/ul

RT: 22.542 min Scan# 4568

Delta R.T. -0.039 min

Lab File: BM045909.D

Acq: 08 Jun 2024 10:49

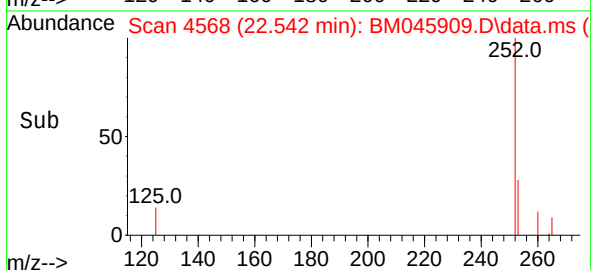
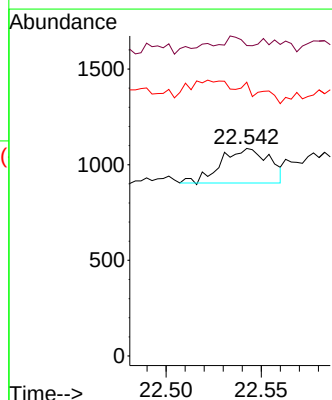
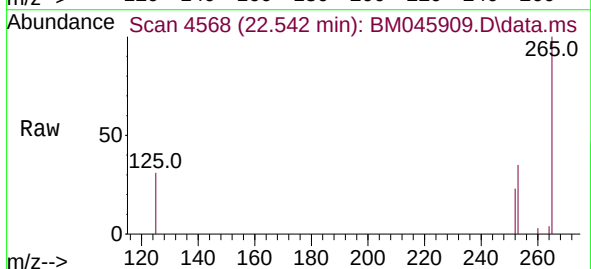
Tgt Ion:252 Resp: 320

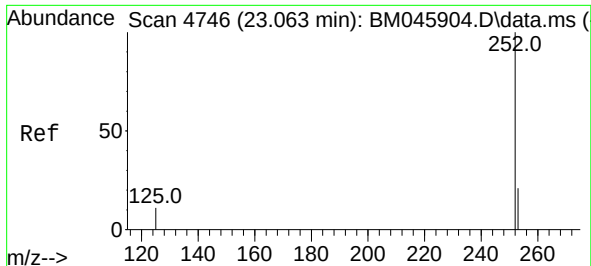
Ion Ratio Lower Upper

252 100

253 149.6 25.0 37.6#

125 131.9 14.2 21.2#





#26

Benzo(a)pyrene

Concen: 1.213 ng/ul

RT: 23.010 min Scan# 41

Delta R.T. -0.062 min

Lab File: BM045909.D

Acq: 08 Jun 2024 10:49

Instrument :

BNA_M

ClientSampleId :

A4BH5

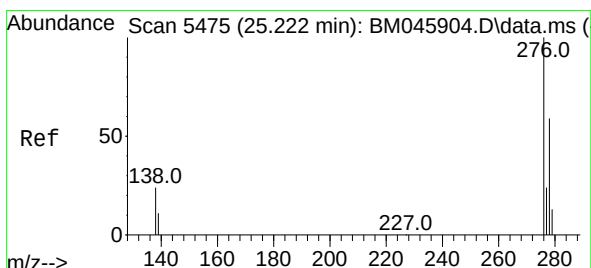
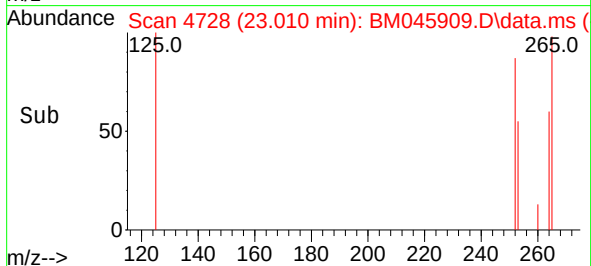
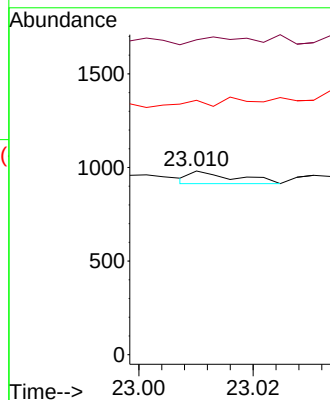
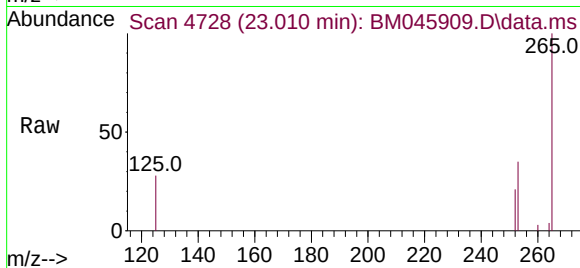
Tgt Ion:252 Resp: 36

Ion Ratio Lower Upper

252 100

253 171.5 28.8 43.2#

125 138.5 17.3 25.9#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.287 ng/ul

RT: 25.162 min Scan# 5457

Delta R.T. -0.071 min

Lab File: BM045909.D

Acq: 08 Jun 2024 10:49

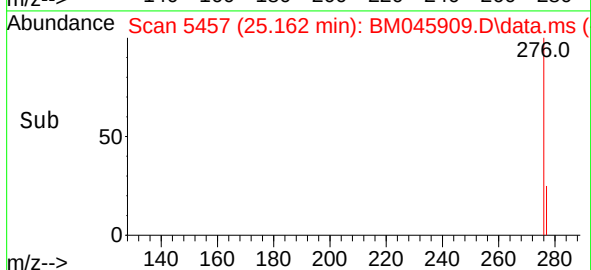
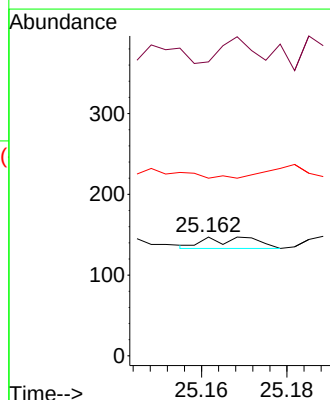
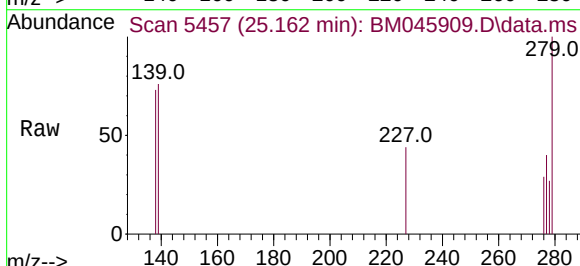
Tgt Ion:276 Resp: 11

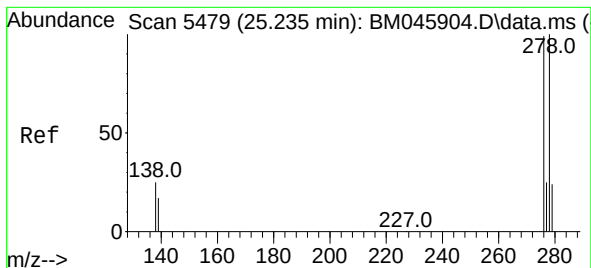
Ion Ratio Lower Upper

276 100

138 136.4 20.7 31.1#

227 0.0 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.228 ng/ul

RT: 25.188 min Scan# 5479

Delta R.T. -0.060 min

Lab File: BM045909.D

Acq: 08 Jun 2024 10:49

Instrument :

BNA_M

ClientSampleId :

A4BH5

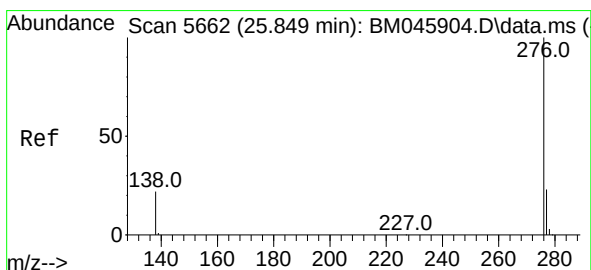
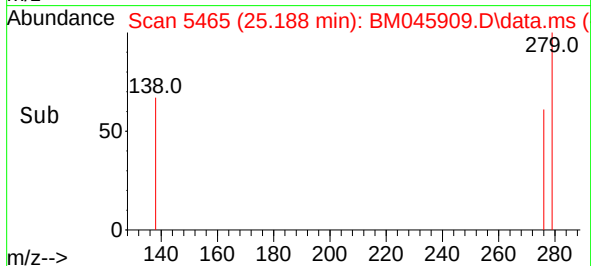
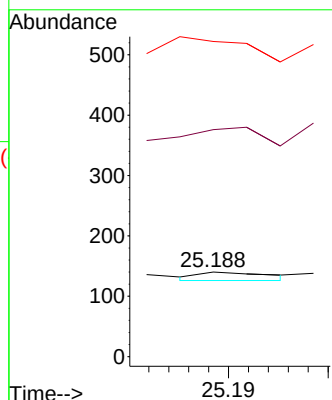
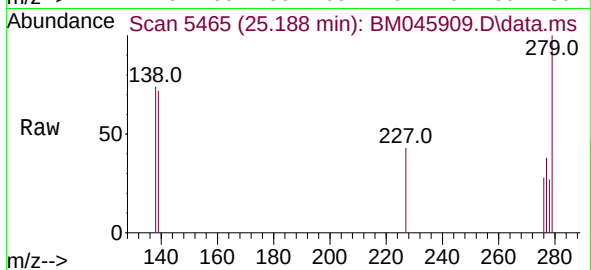
Tgt Ion:278 Resp: 7

Ion Ratio Lower Upper

278 100

139 268.6 16.6 25.0#

279 372.9 24.6 37.0#



#29

Benzo(g,h,i)perylene

Concen: 0.332 ng/ul

RT: 25.779 min Scan# 5641

Delta R.T. -0.084 min

Lab File: BM045909.D

Acq: 08 Jun 2024 10:49

Tgt Ion:276 Resp: 11

Ion Ratio Lower Upper

276 100

138 259.3 21.0 31.4#

277 143.4 20.5 30.7#

