

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043163.D
 Acq On : 02 Dec 2023 17:02
 Operator : MA/JU
 Sample : PB157370BS
 Misc :
 ALS Vial : 82 Sample Multiplier: 1

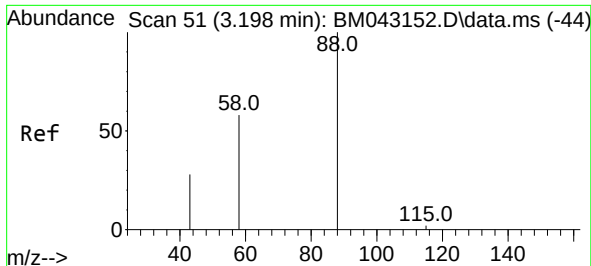
Instrument :
 BNA_M
 ClientSampleId :
 SLCS370

Quant Time: Dec 02 23:55:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 02 23:54:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.859	152	843	0.400	ng/ul	0.00
4) Naphthalene-d8	10.628	136	2951	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.456	164	1677	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.230	188	3649	0.400	ng/ul	0.00
17) Chrysene-d12	21.411	240	2200	0.400	ng/ul	0.00
23) Perylene-d12	23.764	264	2362	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	886	0.685	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.245	152	1465	0.371	ng/ul	0.00
18) Fluoranthene-d10	19.253	212	3274	0.408	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.193	88	2553	1.838	ng/ul#	85
5) Naphthalene	10.683	128	2758	0.344	ng/ul	97
7) 2-Methylnaphthalene	12.311	142	1576	0.333	ng/ul	97
8) 1-Methylnaphthalene	12.504	142	1662	0.315	ng/ul	93
10) Acenaphthylene	14.192	152	2911	0.340	ng/ul	99
11) Acenaphthene	14.516	153	2285	0.352	ng/ul	94
12) Fluorene	15.529	166	2370	0.356	ng/ul	98
14) Pentachlorophenol	16.884	266	624	0.632	ng/ul	96
15) Phenanthrene	17.268	178	3503	0.336	ng/ul	100
16) Anthracene	17.382	178	3327	0.337	ng/ul	97
19) Fluoranthene	19.281	202	4612	0.370	ng/ul	98
20) Pyrene	19.648	202	4906	0.370	ng/ul	98
21) Benzo(a)anthracene	21.400	228	2795	0.392	ng/ul	98
22) Chrysene	21.447	228	4708	0.354	ng/ul	98
24) Benzo(b)fluoranthene	23.036	252	3105	0.390	ng/ul	98
25) Benzo(k)fluoranthene	23.089	252	4357	0.397	ng/ul	99
26) Benzo(a)pyrene	23.665	252	3320	0.382	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.231	276	4244	0.361	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.252	278	3276	0.360	ng/ul	99
29) Benzo(g,h,i)perylene	26.979	276	4014	0.350	ng/ul	96

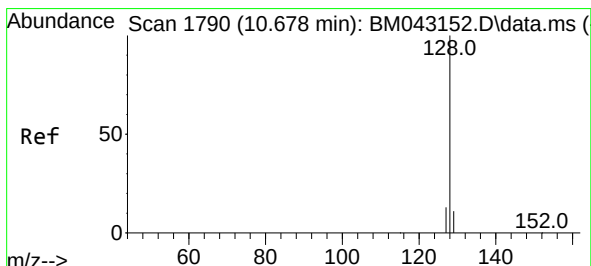
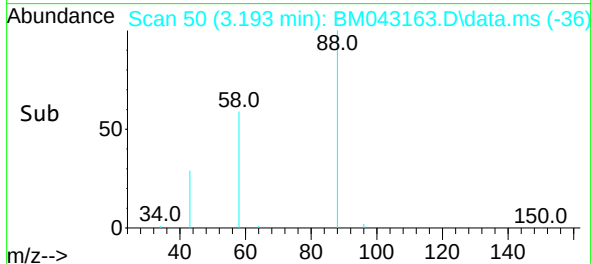
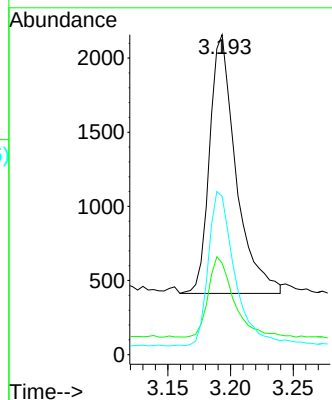
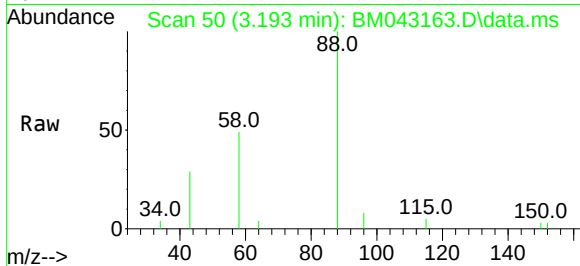
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 1.838 ng/ul
RT: 3.193 min Scan# 50
Delta R.T. -0.000 min
Lab File: BM043163.D
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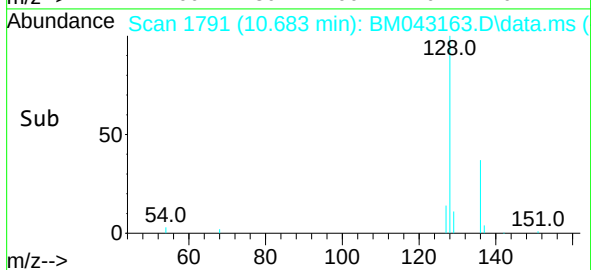
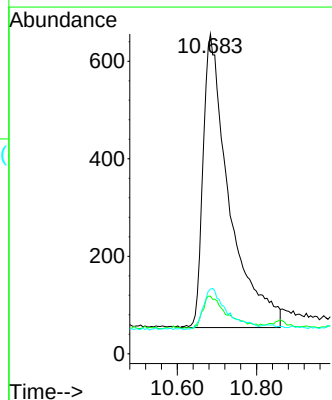
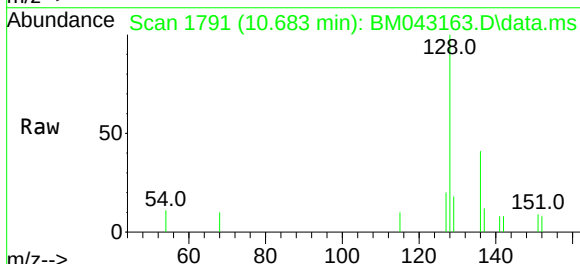
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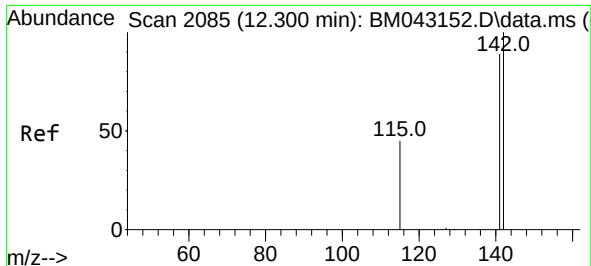
Tgt Ion: 88 Resp: 2553
Ion Ratio Lower Upper
88 100
43 28.6 22.8 34.2
58 49.5 26.8 40.2#



#5
Naphthalene
Concen: 0.344 ng/ul
RT: 10.683 min Scan# 1791
Delta R.T. -0.004 min
Lab File: BM043163.D
Acq: 02 Dec 2023 17:02

Tgt Ion: 128 Resp: 2758
Ion Ratio Lower Upper
128 100
129 18.0 16.0 24.0
127 20.3 16.5 24.7

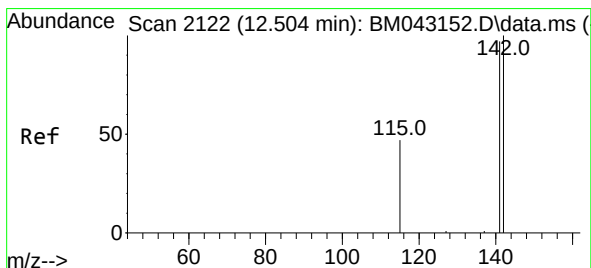
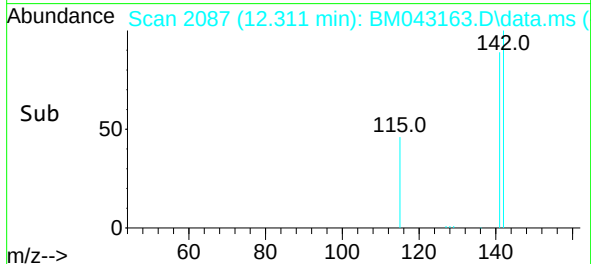
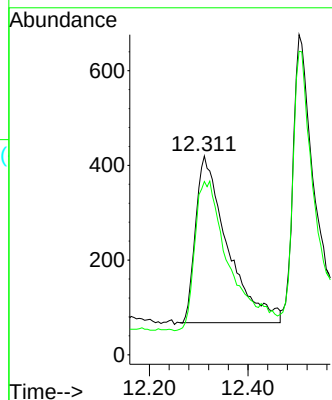
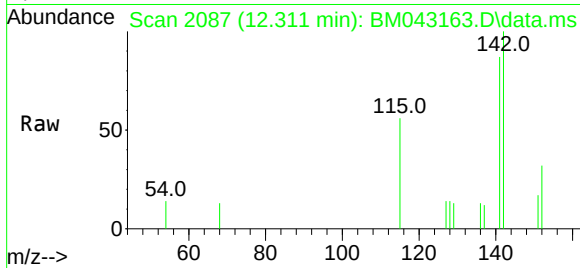




#7
2-Methylnaphthalene
Concen: 0.333 ng/ul
RT: 12.311 min Scan# 2085
Delta R.T. -0.004 min
Lab File: BM043163.D
Acq: 02 Dec 2023 17:02

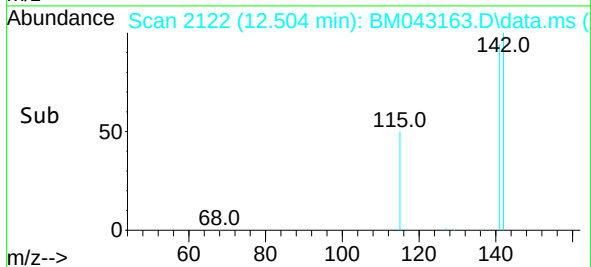
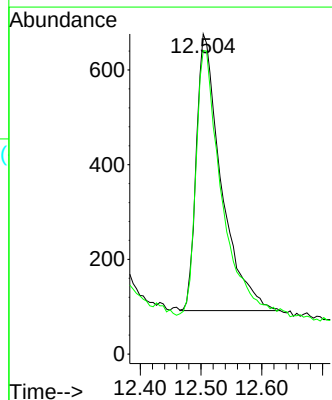
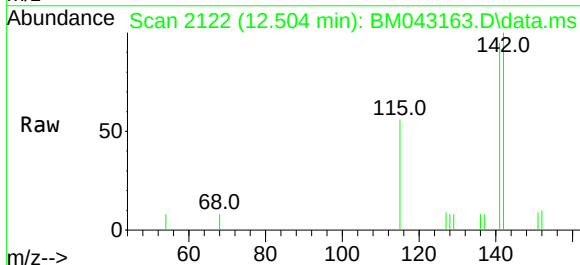
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ClientSampleId :
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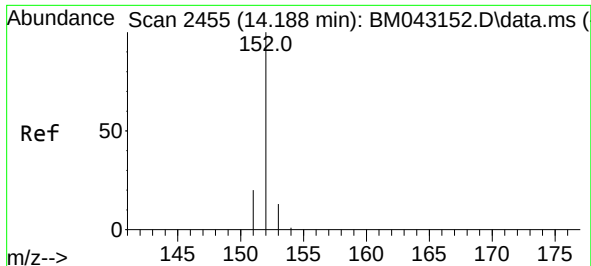
Tgt Ion:142 Resp: 1576
Ion Ratio Lower Upper
142 100
141 98.2 76.1 114.1



#8
1-Methylnaphthalene
Concen: 0.315 ng/ul
RT: 12.504 min Scan# 2122
Delta R.T. -0.004 min
Lab File: BM043163.D
Acq: 02 Dec 2023 17:02

Tgt Ion:142 Resp: 1662
Ion Ratio Lower Upper
142 100
141 98.6 73.8 110.8

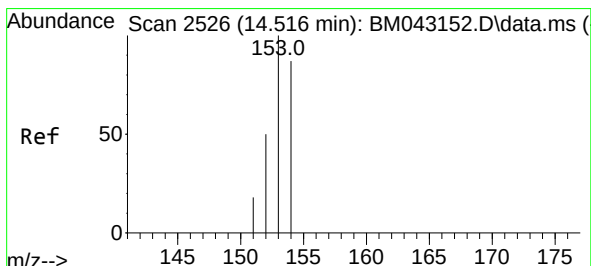
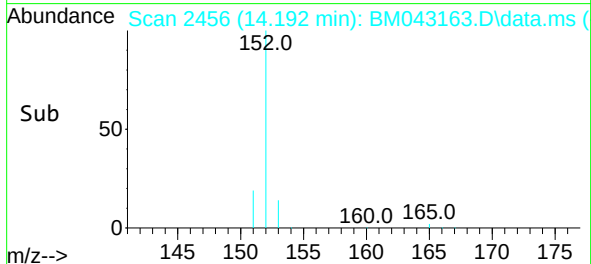
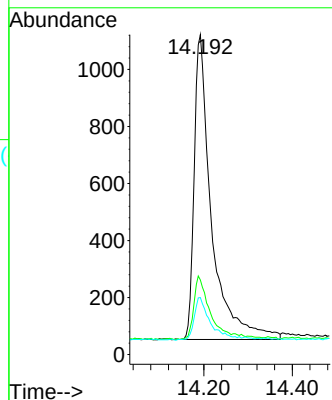
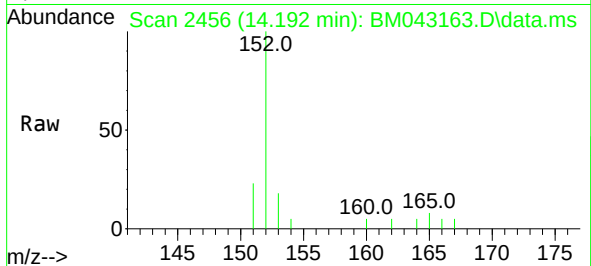




#10
Acenaphthylene
Concen: 0.340 ng/ul
RT: 14.192 min Scan# 2456
Delta R.T. 0.001 min
Lab File: BM043163.D
Acq: 02 Dec 2023 17:02

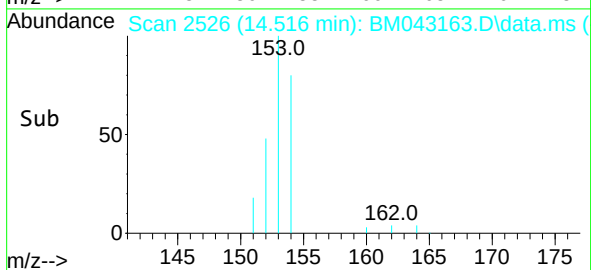
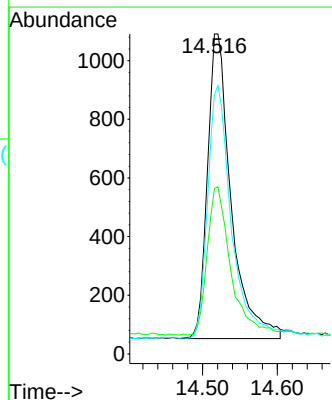
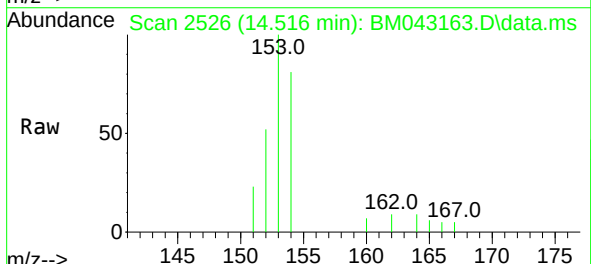
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BNA_M
ClientSampleId :
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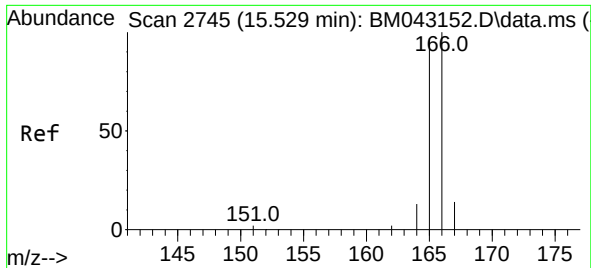
Tgt Ion:152	Resp:	2911
Ion Ratio	Lower	Upper
152	100	
151	23.4	19.4 29.0
153	17.8	14.6 21.8



#11
Acenaphthene
Concen: 0.352 ng/ul
RT: 14.516 min Scan# 2526
Delta R.T. -0.003 min
Lab File: BM043163.D
Acq: 02 Dec 2023 17:02

Tgt Ion:153	Resp:	2285
Ion Ratio	Lower	Upper
153	100	
152	51.7	43.9 65.9
154	81.1	70.6 105.8

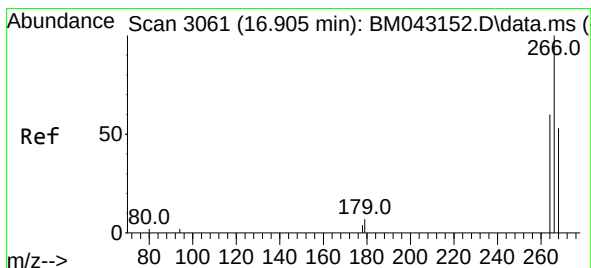
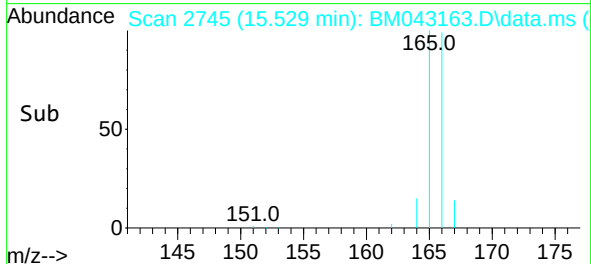
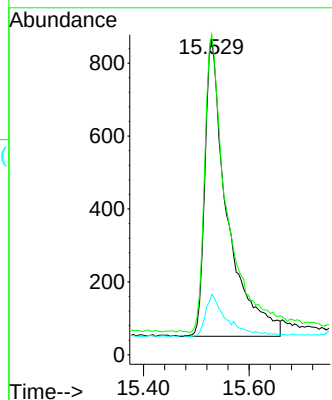
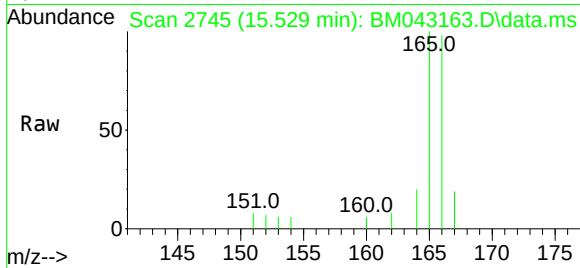




#12
 Fluorene
 Concen: 0.356 ng/ul
 RT: 15.529 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BM043163.D
 Acq: 02 Dec 2023 17:02

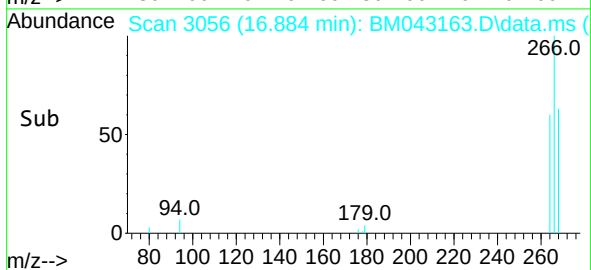
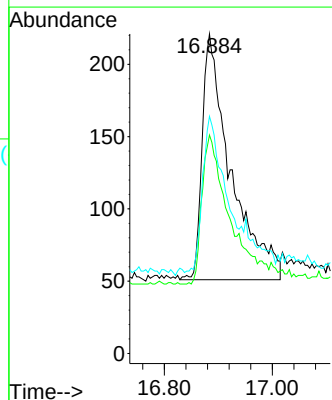
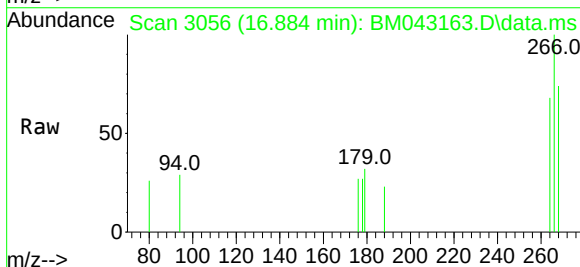
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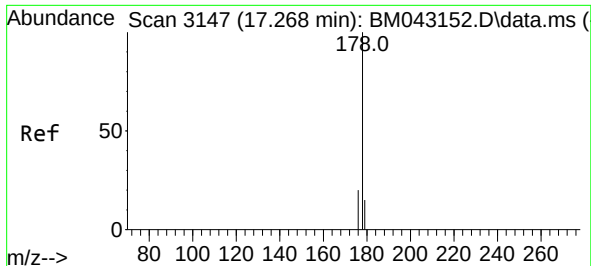
Tgt Ion:	166	Resp:	2370
Ion	Ratio	Lower	Upper
166	100		
165	101.6	79.9	119.9
167	19.2	14.2	21.4



#14
 Pentachlorophenol
 Concen: 0.632 ng/ul
 RT: 16.884 min Scan# 3056
 Delta R.T. -0.024 min
 Lab File: BM043163.D
 Acq: 02 Dec 2023 17:02

Tgt Ion:	266	Resp:	624
Ion	Ratio	Lower	Upper
266	100		
264	64.1	48.8	73.2
268	61.9	51.8	77.6

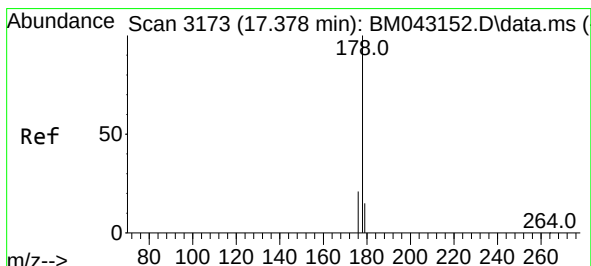
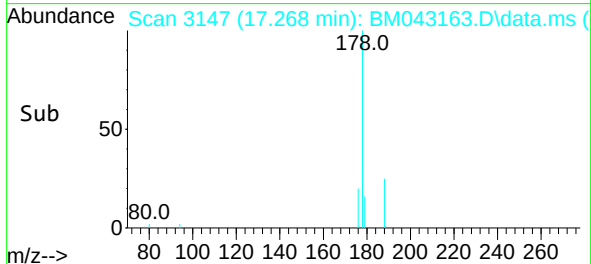
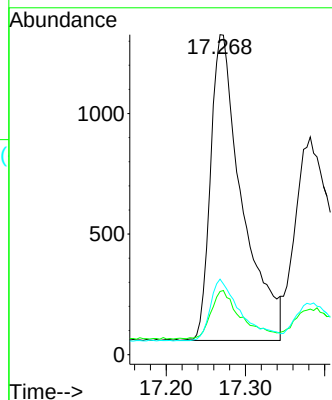
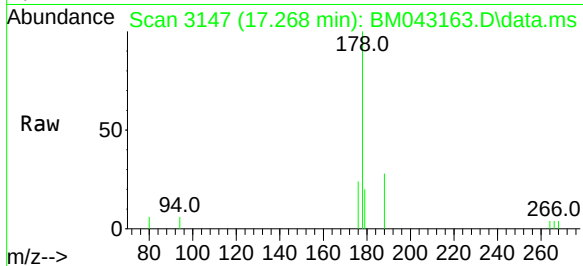




#15
Phenanthrene
Concen: 0.336 ng/ul
RT: 17.268 min Scan# 3147
Delta R.T. -0.007 min
Lab File: BM043163.D
Acq: 02 Dec 2023 17:02

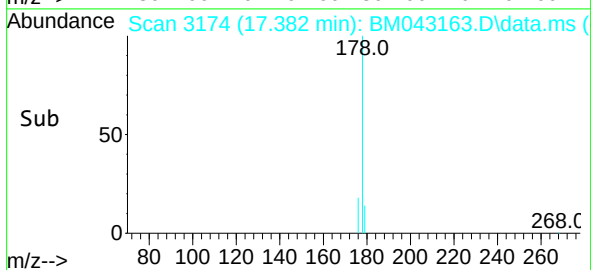
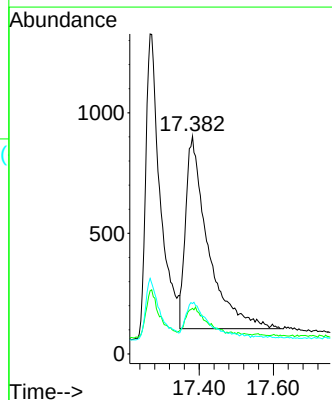
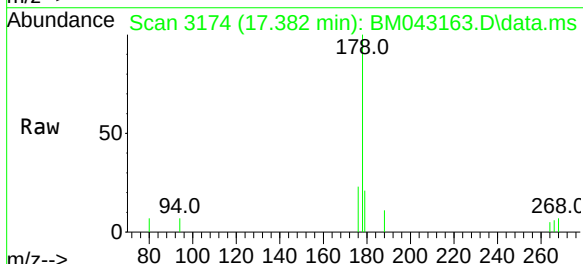
Instrument :
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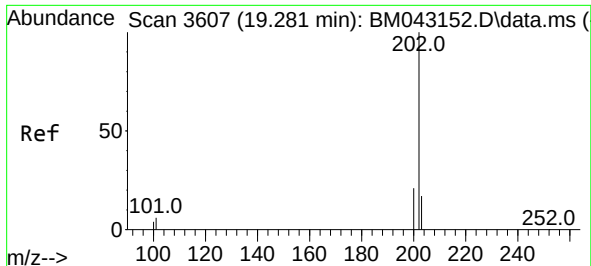
Tgt Ion:	178	Resp:	3503
Ion	Ratio	Lower	Upper
178	100		
179	19.7	15.7	23.5
176	23.6	18.9	28.3



#16
Anthracene
Concen: 0.337 ng/ul
RT: 17.382 min Scan# 3174
Delta R.T. -0.003 min
Lab File: BM043163.D
Acq: 02 Dec 2023 17:02

Tgt Ion:	178	Resp:	3327
Ion	Ratio	Lower	Upper
178	100		
179	20.9	17.3	25.9
176	23.1	20.5	30.7

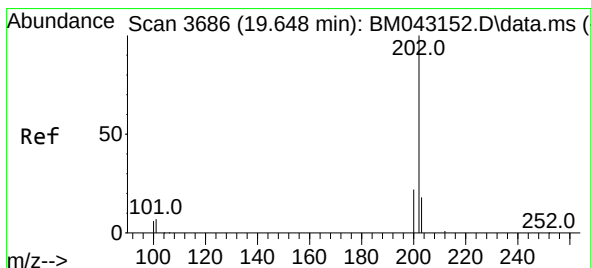
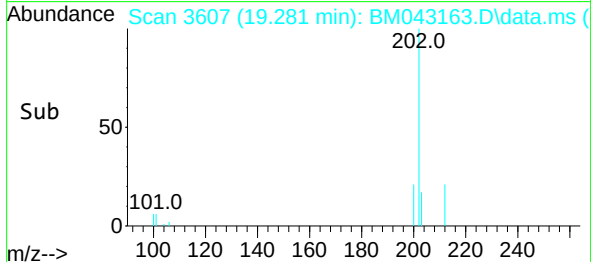
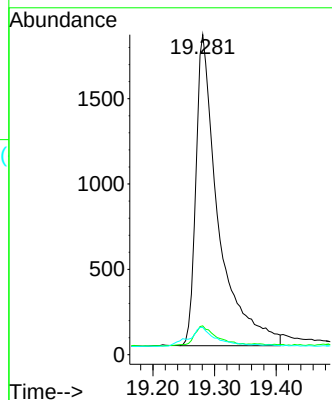
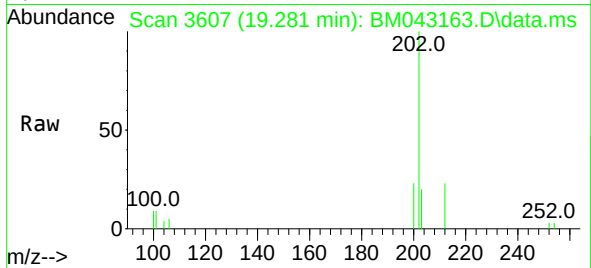




#19
Fluoranthene
Concen: 0.370 ng/u1
RT: 19.281 min Scan# 3607
Delta R.T. 0.001 min
Lab File: BM043163.D
Acq: 02 Dec 2023 17:02

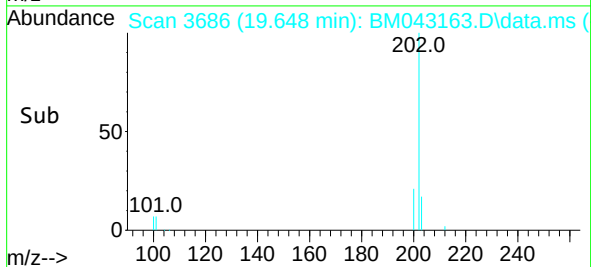
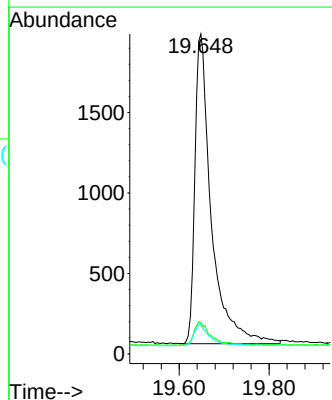
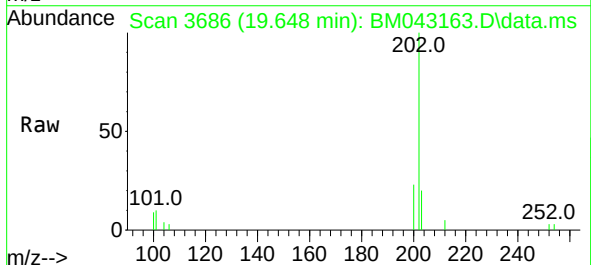
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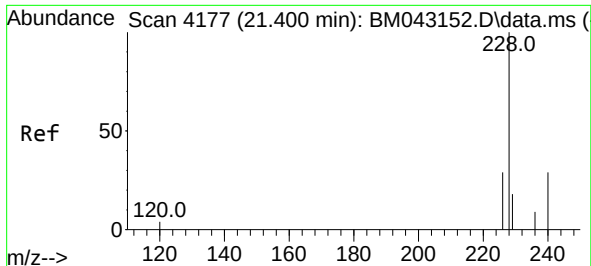
Tgt Ion:202 Resp: 4612
Ion Ratio Lower Upper
202 100
101 9.0 7.8 11.8
100 8.5 7.1 10.7



#20
Pyrene
Concen: 0.370 ng/u1
RT: 19.648 min Scan# 3686
Delta R.T. 0.001 min
Lab File: BM043163.D
Acq: 02 Dec 2023 17:02

Tgt Ion:202 Resp: 4906
Ion Ratio Lower Upper
202 100
101 9.8 8.7 13.1
100 9.2 7.8 11.8

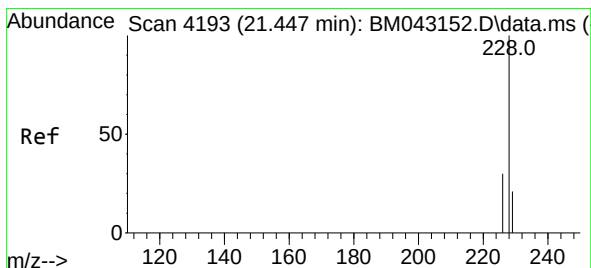
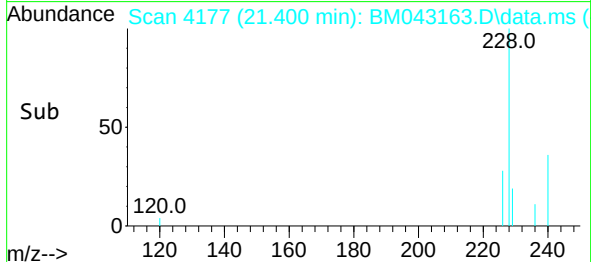
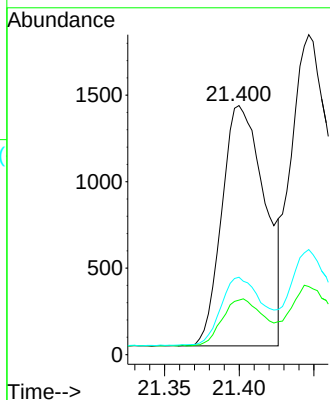
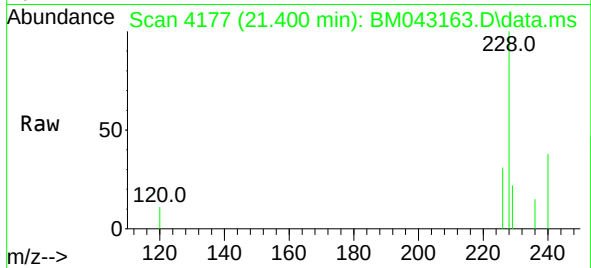




#21
Benzo(a)anthracene
Concen: 0.392 ng/ul
RT: 21.400 min Scan# 4177
Delta R.T. -0.001 min
Lab File: BM043163.D
Acq: 02 Dec 2023 17:02

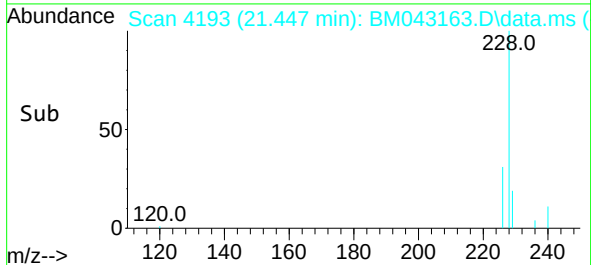
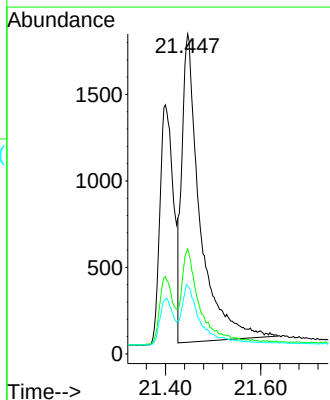
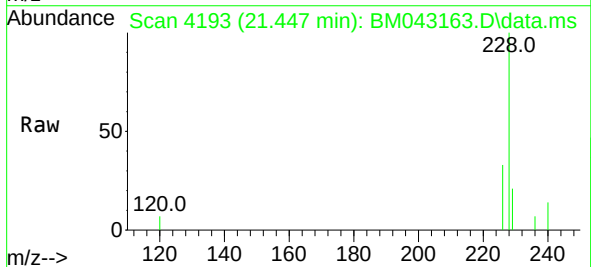
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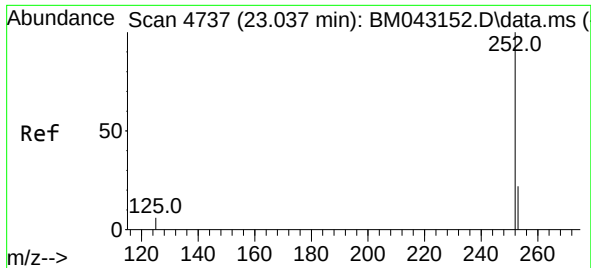
Tgt Ion:228 Resp: 2795
Ion Ratio Lower Upper
228 100
229 21.9 19.4 29.0
226 31.0 24.9 37.3



#22
Chrysene
Concen: 0.354 ng/ul
RT: 21.447 min Scan# 4193
Delta R.T. -0.001 min
Lab File: BM043163.D
Acq: 02 Dec 2023 17:02

Tgt Ion:228 Resp: 4708
Ion Ratio Lower Upper
228 100
226 32.8 27.2 40.8
229 21.3 18.0 27.0

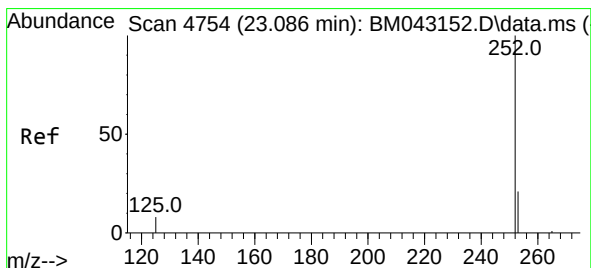
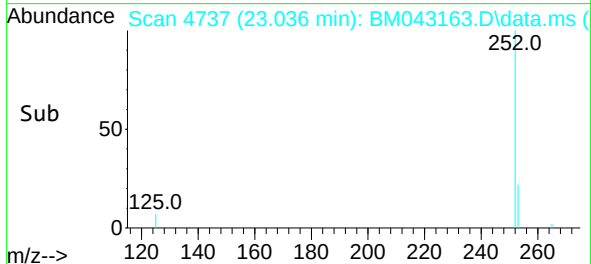
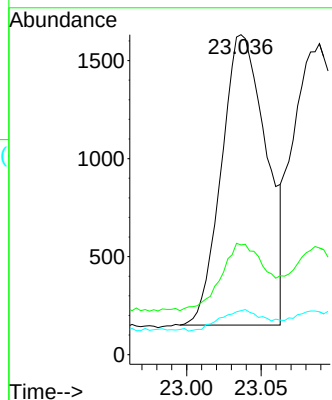
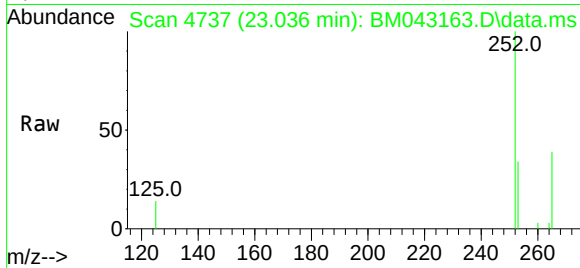




#24
Benzo(b)fluoranthene
Concen: 0.390 ng/ul
RT: 23.036 min Scan# 4737
Delta R.T. -0.001 min
Lab File: BM043163.D
Acq: 02 Dec 2023 17:02

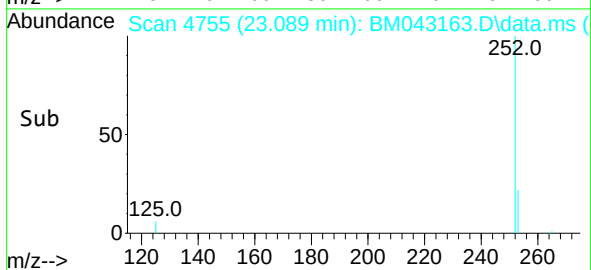
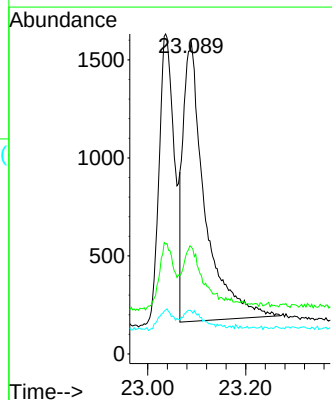
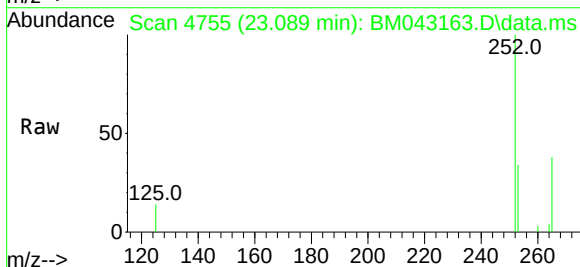
Instrument :
BNA_M
ClientSampleId :
SLCS370

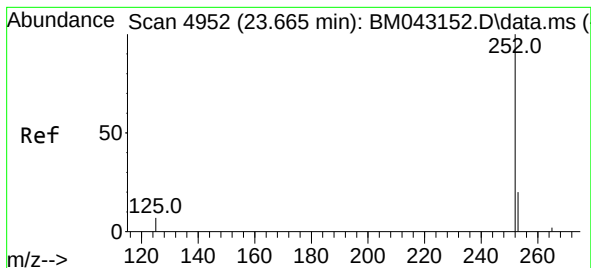
Tgt Ion:252	Resp:	3105
Ion Ratio	Lower	Upper
252	100	
253	34.3	0.0 71.8
125	13.7	0.0 29.0



#25
Benzo(k)fluoranthene
Concen: 0.397 ng/ul
RT: 23.089 min Scan# 4755
Delta R.T. 0.005 min
Lab File: BM043163.D
Acq: 02 Dec 2023 17:02

Tgt Ion:252	Resp:	4357
Ion Ratio	Lower	Upper
252	100	
253	34.3	28.2 42.2
125	13.8	11.0 16.6





#26

Benzo(a)pyrene

Concen: 0.382 ng/ul

RT: 23.665 min Scan# 4952

Delta R.T. -0.006 min

Lab File: BM043163.D

Acq: 02 Dec 2023 17:02

Instrument :

BNA_M

ClientSampleId :

SLCS370

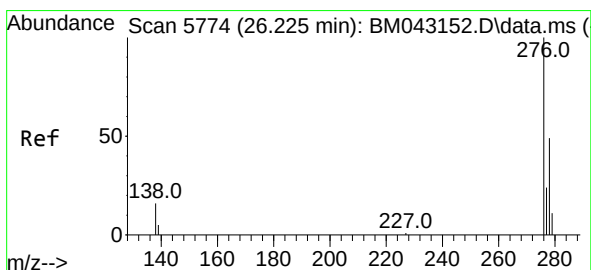
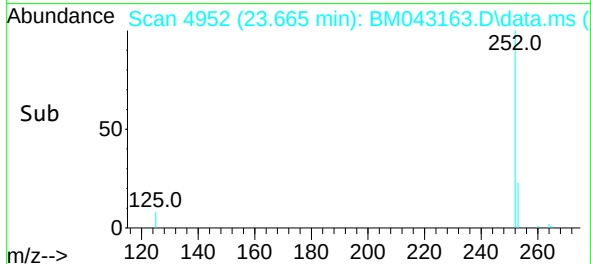
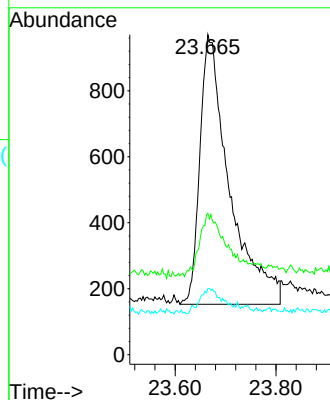
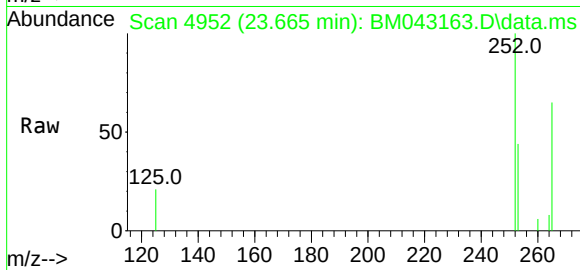
Tgt Ion:252 Resp: 3320

Ion Ratio Lower Upper

252 100

253 44.2 36.6 55.0

125 20.7 16.2 24.4



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.361 ng/ul

RT: 26.231 min Scan# 5776

Delta R.T. -0.007 min

Lab File: BM043163.D

Acq: 02 Dec 2023 17:02

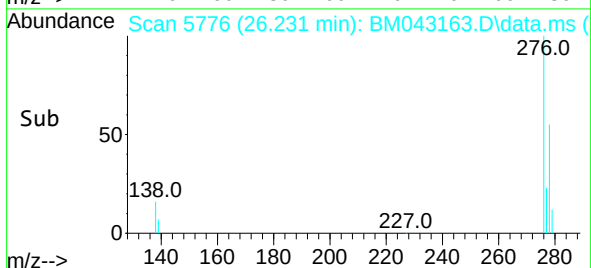
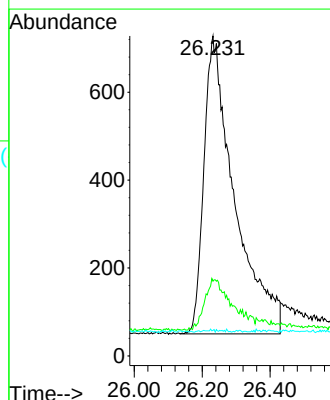
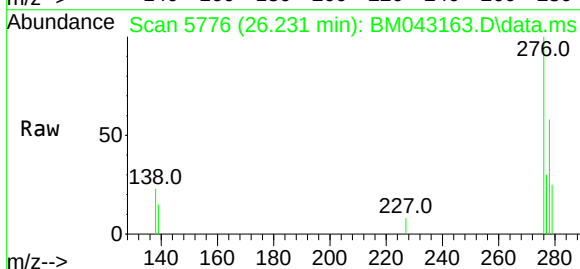
Tgt Ion:276 Resp: 4244

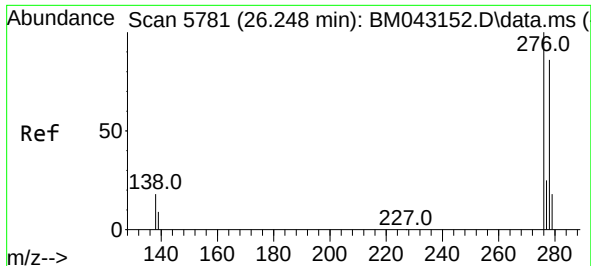
Ion Ratio Lower Upper

276 100

138 13.1 0.0 0.0#

227 0.1 0.2 0.2#

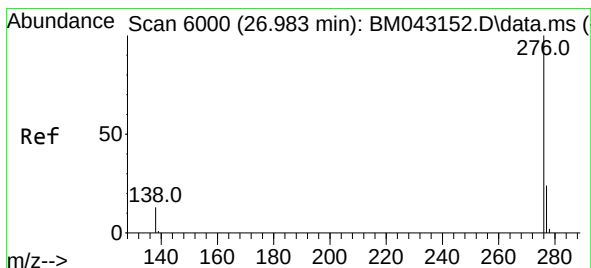
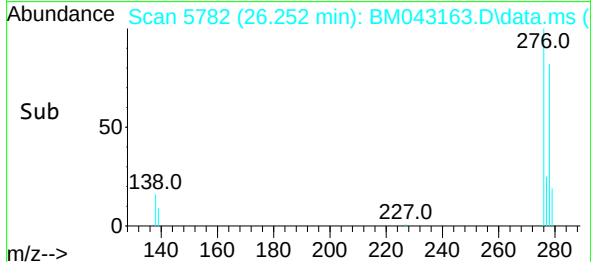
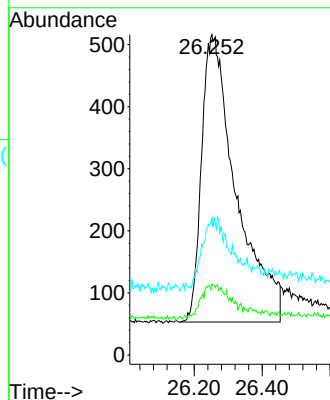
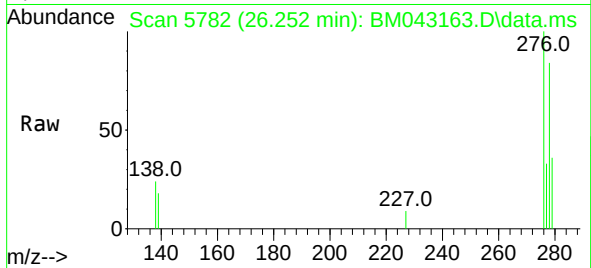




#28
 Dibenzo(a,h)anthracene
 Concen: 0.360 ng/ul
 RT: 26.252 min Scan# 51
 Delta R.T. -0.011 min
 Lab File: BM043163.D
 Acq: 02 Dec 2023 17:02

Instrument :
 BNA_M
 ClientSampleId :
 SLCS370

Tgt Ion:	278	Resp:	3276
Ion	Ratio	Lower	Upper
278	100		
139	22.1	18.1	27.1
279	42.8	34.4	51.6



#29
 Benzo(g,h,i)perylene
 Concen: 0.350 ng/ul
 RT: 26.979 min Scan# 5999
 Delta R.T. -0.001 min
 Lab File: BM043163.D
 Acq: 02 Dec 2023 17:02

Tgt Ion:	276	Resp:	4014
Ion	Ratio	Lower	Upper
276	100		
138	20.9	17.8	26.8
277	27.5	23.8	35.8

