

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072623\
 Data File : BM041143.D
 Acq On : 26 Jul 2023 19:50
 Operator : MA/JU
 Sample : PB154143BS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS143

Quant Time: Jul 27 01:19:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 26 04:20:13 2023
 Response via : Initial Calibration

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

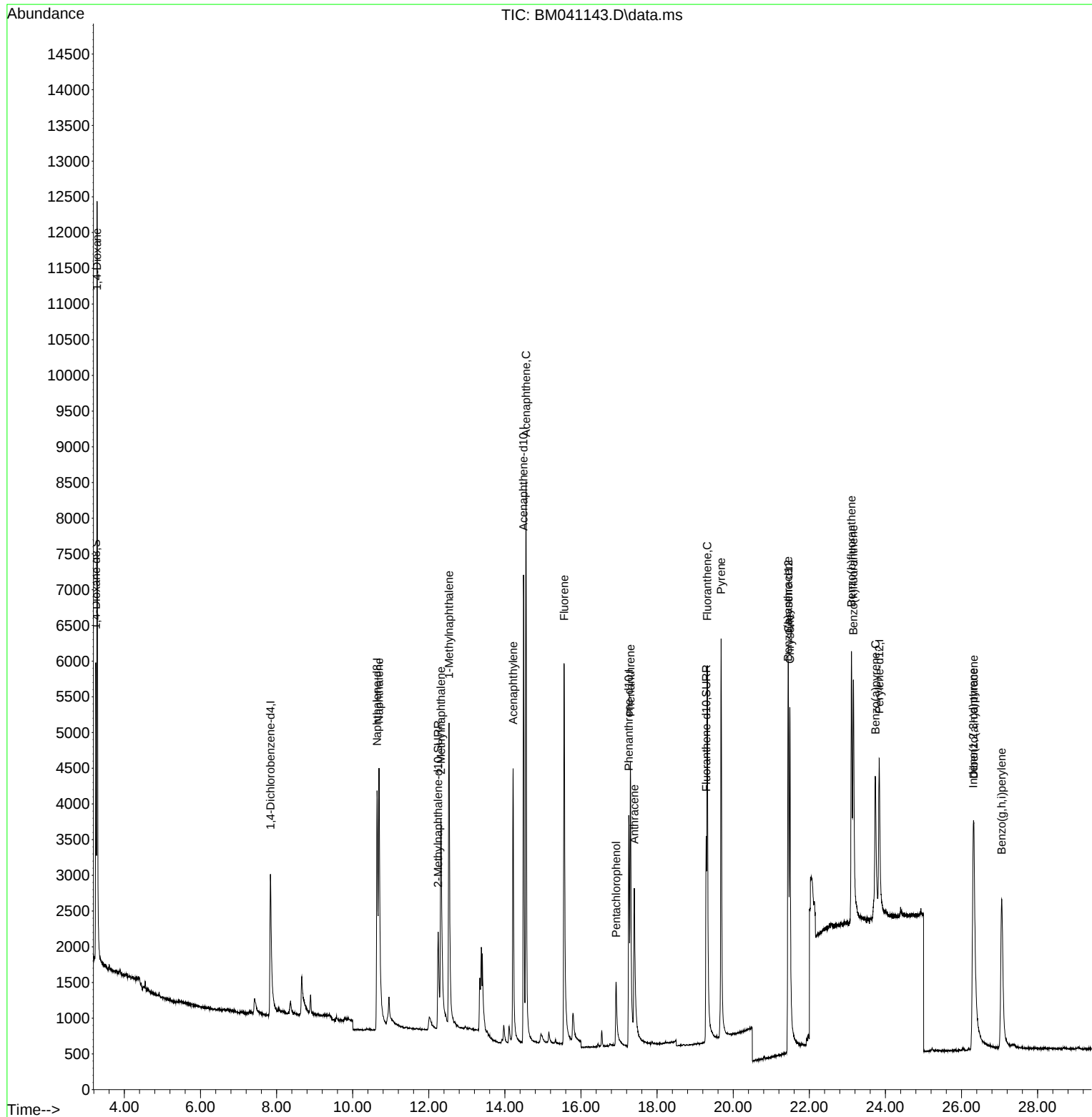
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	2034	0.400	ng/ul	0.00
4) Naphthalene-d8	10.642	136	7253	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.490	164	4124	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.257	188	4990	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.451	240	3918	0.400	ng/ul	# 0.00
23) Perylene-d12	23.839	264	3669	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.254	96	2501	0.797	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.247	152	3288	0.318	ng/ul	0.01
18) Fluoranthene-d10	19.292	212	4350	0.408	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.284	88	6596	2.057	ng/ul#	45
5) Naphthalene	10.691	128	7151	0.303	ng/ul	99
7) 2-Methylnaphthalene	12.319	142	3751	0.324	ng/ul	98
8) 1-Methylnaphthalene	12.533	142	4045	0.341	ng/ul	99
10) Acenaphthylene	14.217	152	5803	0.333	ng/ul	99
11) Acenaphthene	14.555	153	5177	0.352	ng/ul	99
12) Fluorene	15.559	166	5193	0.324	ng/ul	98
14) Pentachlorophenol	16.923	266	997	0.686	ng/ul	98
15) Phenanthrene	17.299	178	5335	0.347	ng/ul	97
16) Anthracene	17.401	178	3996	0.321	ng/ul	95
19) Fluoranthene	19.320	202	5628	0.401	ng/ul#	93
20) Pyrene	19.682	202	6097	0.394	ng/ul#	90
21) Benzo(a)anthracene	21.440	228	4239	0.324	ng/ul	97
22) Chrysene	21.489	228	5401	0.357	ng/ul	98
24) Benzo(b)fluoranthene	23.108	252	5471	0.374	ng/ul	93
25) Benzo(k)fluoranthene	23.158	252	5458	0.391	ng/ul#	90
26) Benzo(a)pyrene	23.737	252	4539	0.383	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	26.307	276	6419	0.366	ng/ul#	89
28) Dibenzo(a,h)anthracene	26.324	278	5063	0.368	ng/ul#	90
29) Benzo(g,h,i)perylene	27.055	276	6038	0.385	ng/ul#	92

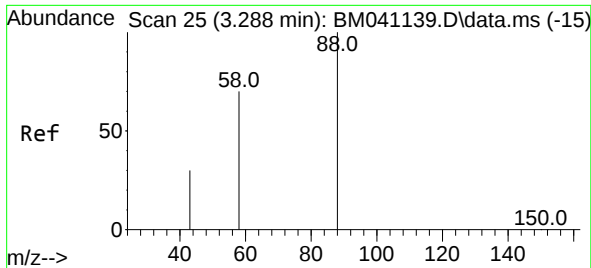
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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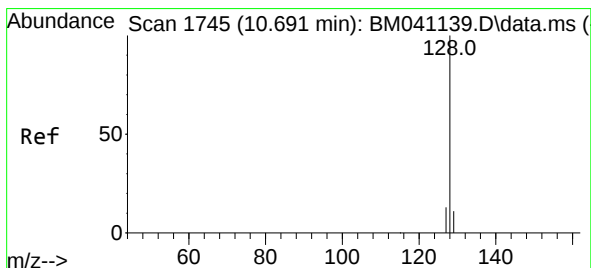
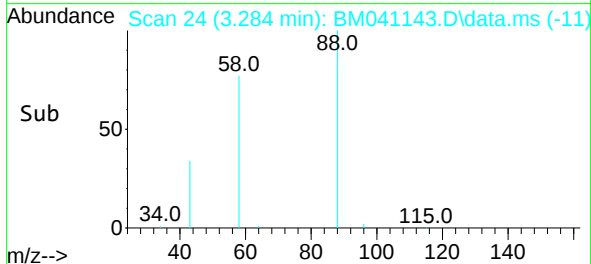
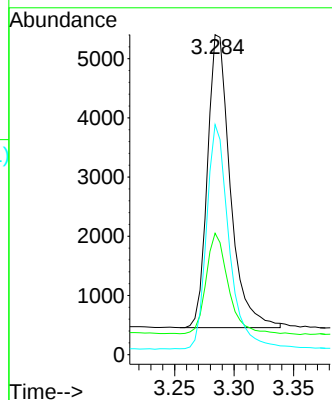
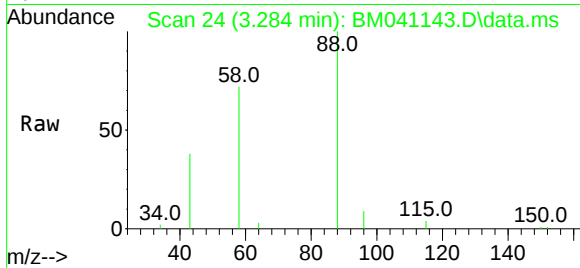




#2
1,4-Dioxane
Concen: 2.057 ng/ul
RT: 3.284 min Scan# 24
Delta R.T. -0.004 min
Lab File: BM041143.D
Acq: 26 Jul 2023 19:50

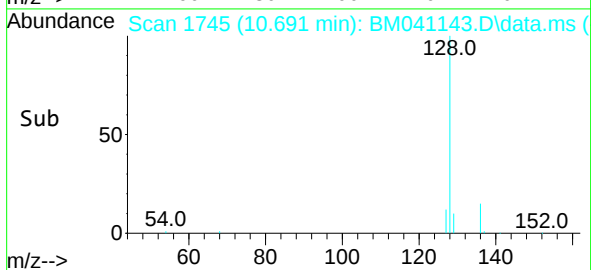
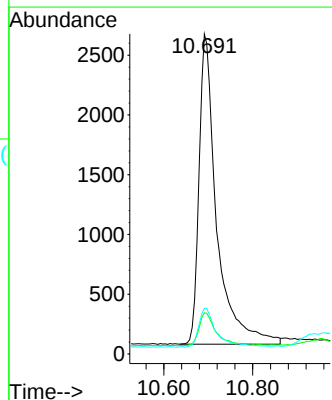
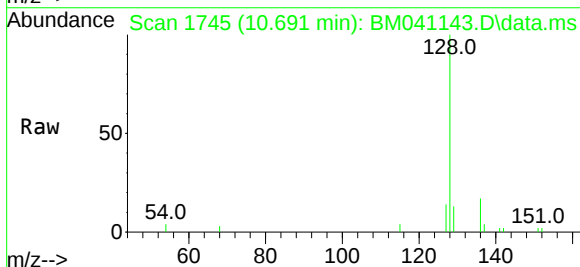
Instrument :
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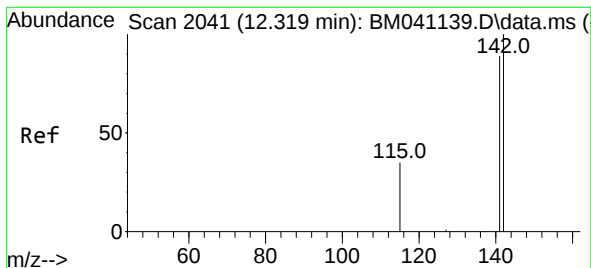
Tgt Ion: 88 Resp: 6596
Ion Ratio Lower Upper
88 100
43 37.9 83.1 124.7#
58 71.9 38.8 58.2#



#5
Naphthalene
Concen: 0.303 ng/ul
RT: 10.691 min Scan# 1745
Delta R.T. -0.000 min
Lab File: BM041143.D
Acq: 26 Jul 2023 19:50

Tgt Ion: 128 Resp: 7151
Ion Ratio Lower Upper
128 100
129 12.8 9.8 14.8
127 14.3 11.1 16.7

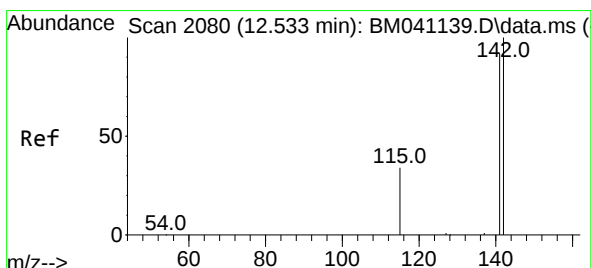
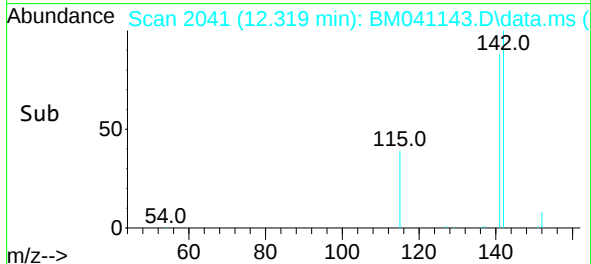
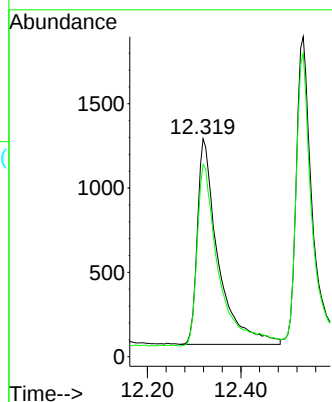
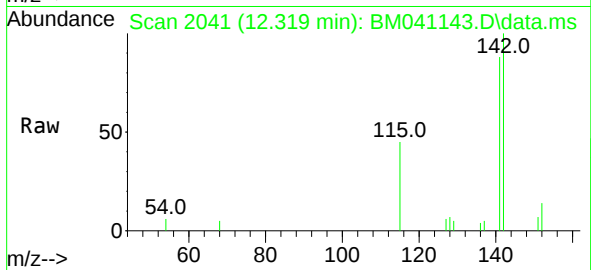




#7
2-Methylnaphthalene
Concen: 0.324 ng/ul
RT: 12.319 min Scan# 2041
Delta R.T. 0.005 min
Lab File: BM041143.D
Acq: 26 Jul 2023 19:50

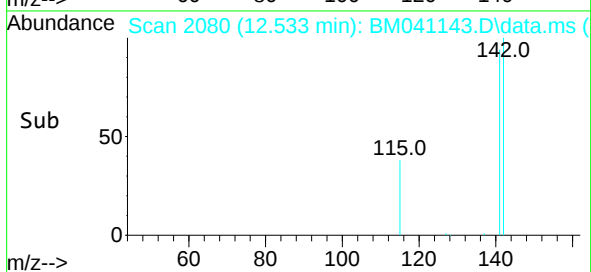
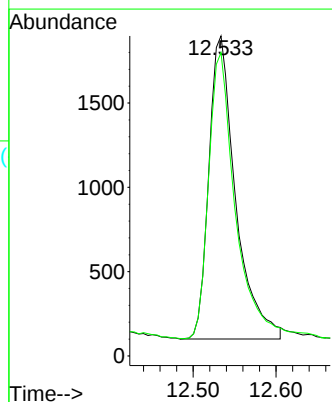
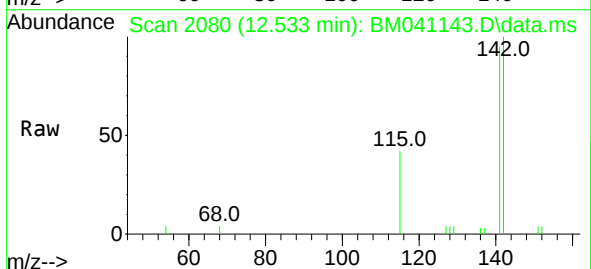
Instrument :
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ClientSampleId :
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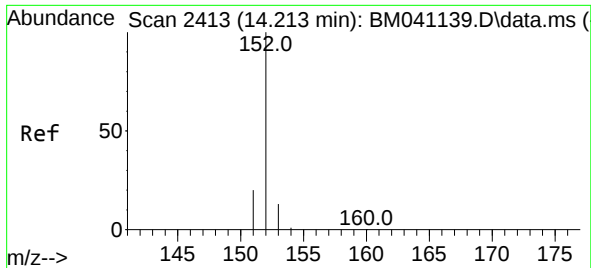
Tgt Ion:142 Resp: 3751
Ion Ratio Lower Upper
142 100
141 93.5 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.341 ng/ul
RT: 12.533 min Scan# 2080
Delta R.T. 0.005 min
Lab File: BM041143.D
Acq: 26 Jul 2023 19:50

Tgt Ion:142 Resp: 4045
Ion Ratio Lower Upper
142 100
141 93.4 73.6 110.4

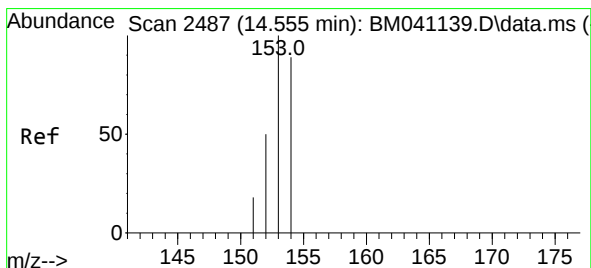
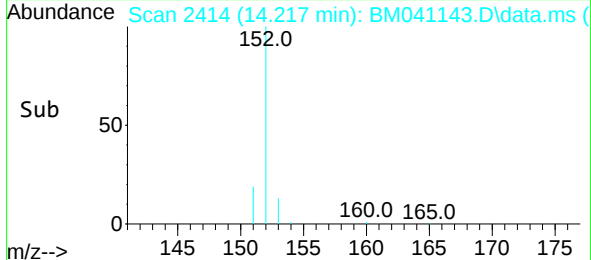
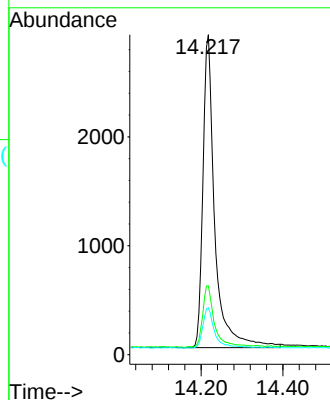
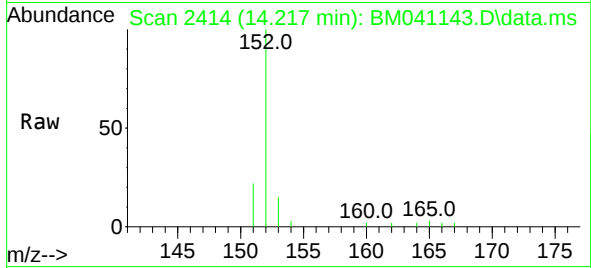




#10
Acenaphthylene
Concen: 0.333 ng/u1
RT: 14.217 min Scan# 2413
Delta R.T. 0.005 min
Lab File: BM041143.D
Acq: 26 Jul 2023 19:50

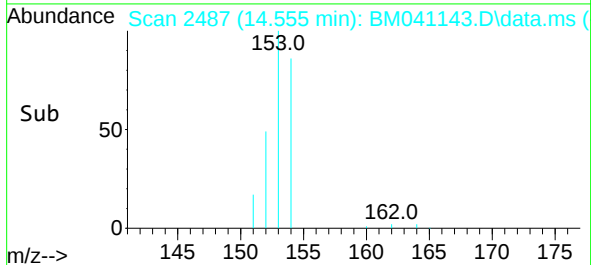
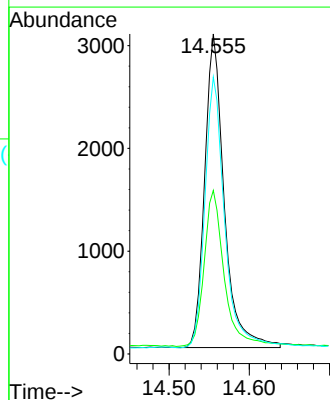
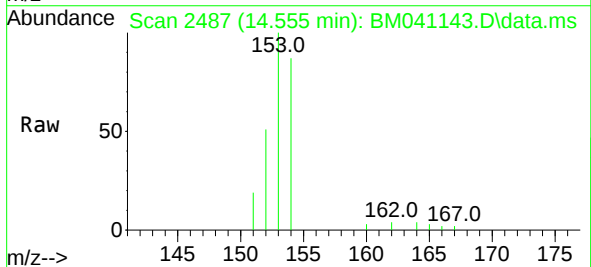
Instrument :
BNA_M
ClientSampleId :
SLCS143

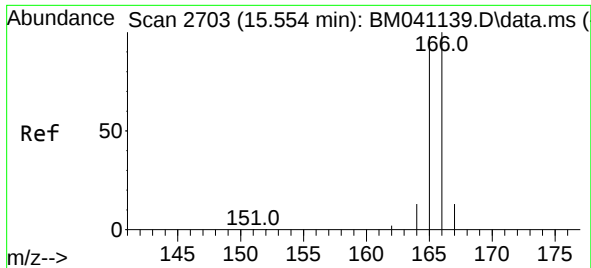
Tgt Ion:152 Resp: 5803
Ion Ratio Lower Upper
152 100
151 21.5 16.8 25.2
153 14.7 11.4 17.2



#11
Acenaphthene
Concen: 0.352 ng/u1
RT: 14.555 min Scan# 2487
Delta R.T. -0.000 min
Lab File: BM041143.D
Acq: 26 Jul 2023 19:50

Tgt Ion:153 Resp: 5177
Ion Ratio Lower Upper
153 100
152 51.1 40.2 60.4
154 86.5 70.3 105.5

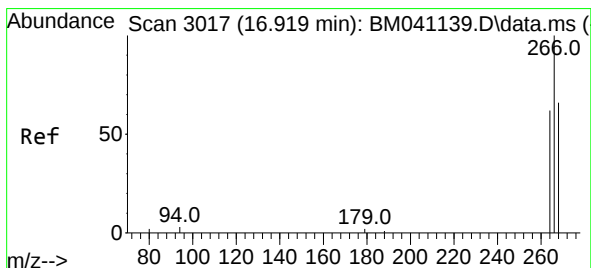
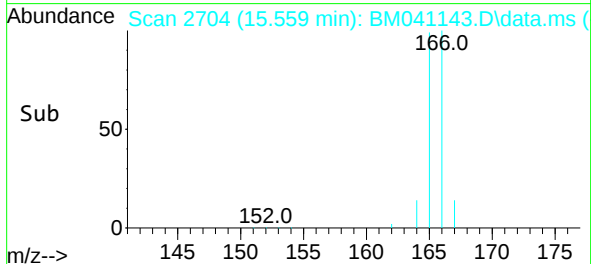
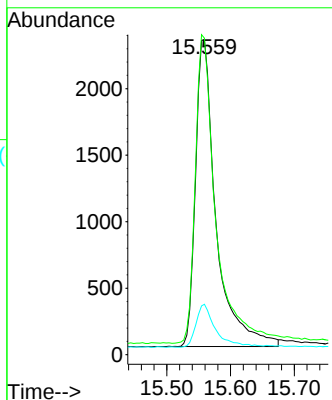
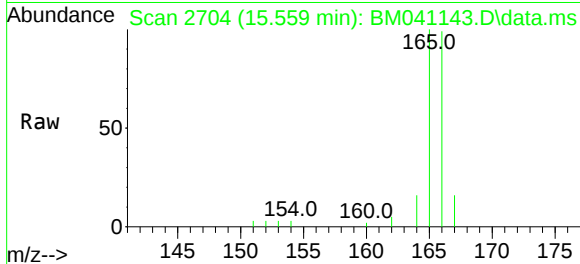




#12
 Fluorene
 Concen: 0.324 ng/ul
 RT: 15.559 min Scan# 21
 Delta R.T. 0.009 min
 Lab File: BM041143.D
 Acq: 26 Jul 2023 19:50

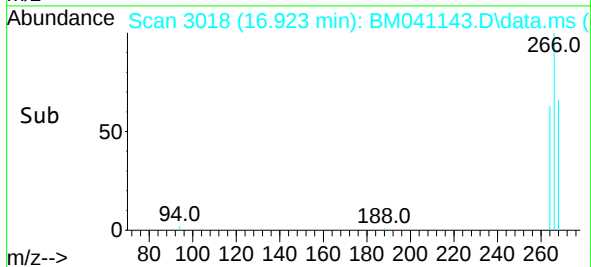
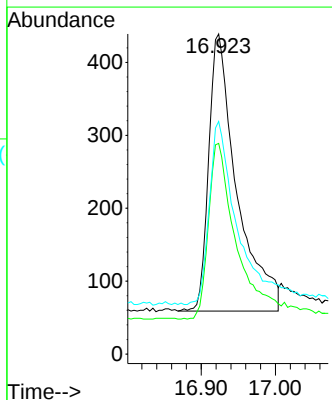
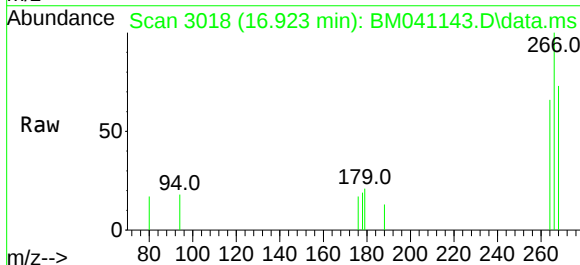
Instrument :
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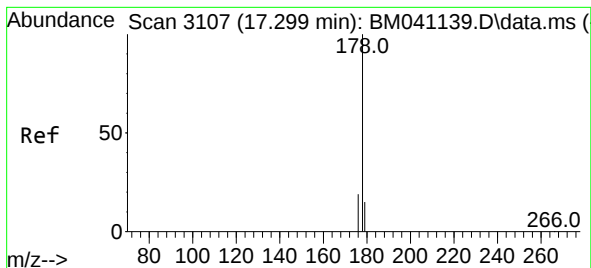
Tgt Ion:166 Resp: 5193
 Ion Ratio Lower Upper
 166 100
 165 100.5 79.4 119.0
 167 16.0 11.4 17.2



#14
 Pentachlorophenol
 Concen: 0.686 ng/ul
 RT: 16.923 min Scan# 3018
 Delta R.T. 0.008 min
 Lab File: BM041143.D
 Acq: 26 Jul 2023 19:50

Tgt Ion:266 Resp: 997
 Ion Ratio Lower Upper
 266 100
 264 62.8 49.2 73.8
 268 64.6 49.9 74.9





#15

Phenanthrene

Concen: 0.347 ng/ul

RT: 17.299 min Scan# 3107

Delta R.T. 0.004 min

Lab File: BM041143.D

Acq: 26 Jul 2023 19:50

Instrument :

BNA_M

ClientSampleId :

SLCS143

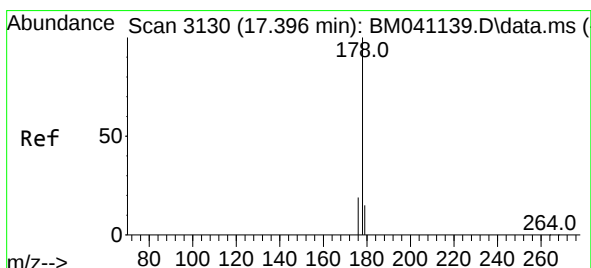
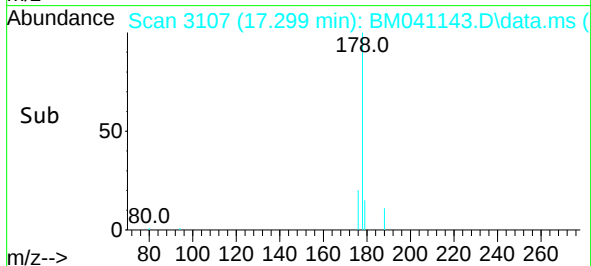
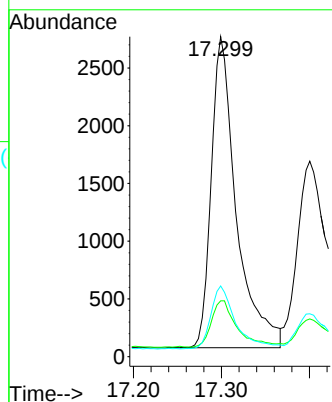
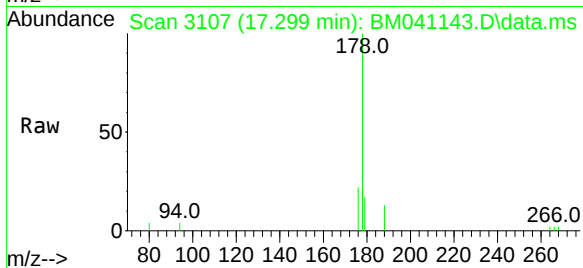
Tgt Ion:178 Resp: 5335

Ion Ratio Lower Upper

178 100

179 17.4 13.4 20.2

176 22.1 16.0 24.0



#16

Anthracene

Concen: 0.321 ng/ul

RT: 17.401 min Scan# 3131

Delta R.T. 0.008 min

Lab File: BM041143.D

Acq: 26 Jul 2023 19:50

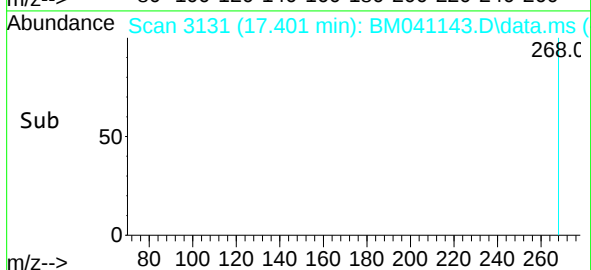
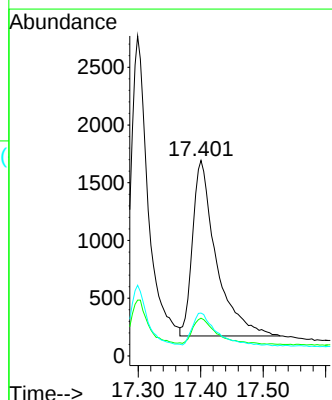
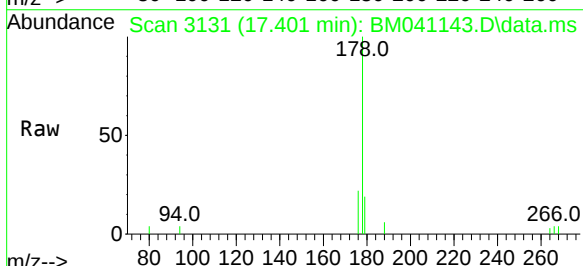
Tgt Ion:178 Resp: 3996

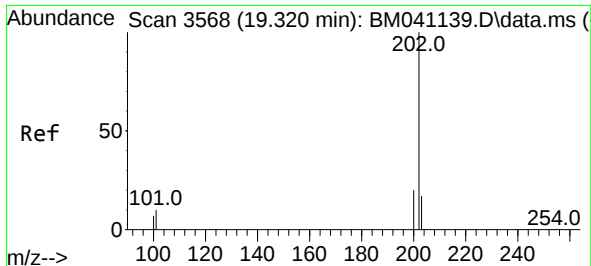
Ion Ratio Lower Upper

178 100

179 19.3 13.6 20.4

176 21.9 16.0 24.0

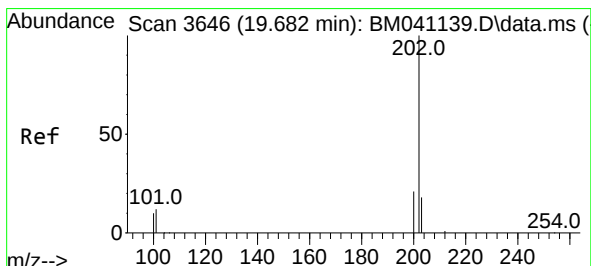
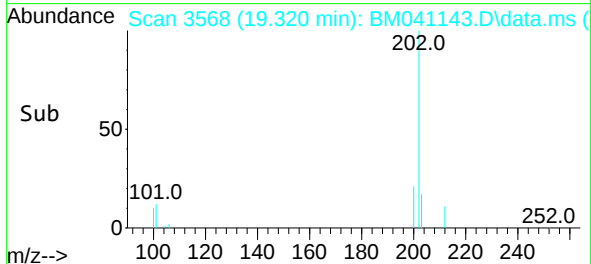
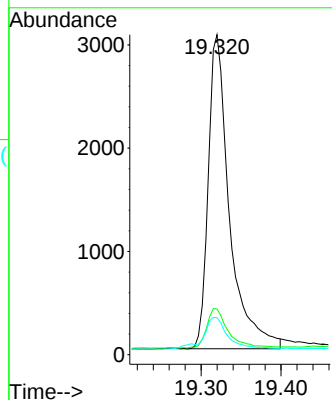
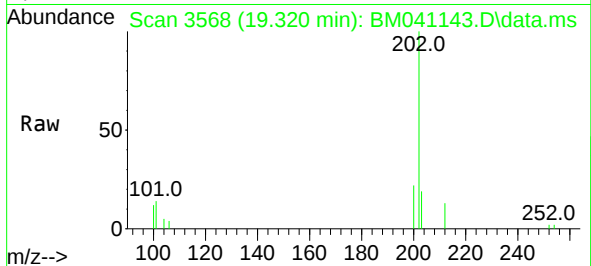




#19
Fluoranthene
Concen: 0.401 ng/u1
RT: 19.320 min Scan# 3568
Delta R.T. 0.005 min
Lab File: BM041143.D
Acq: 26 Jul 2023 19:50

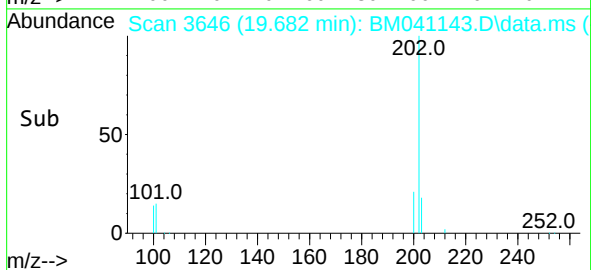
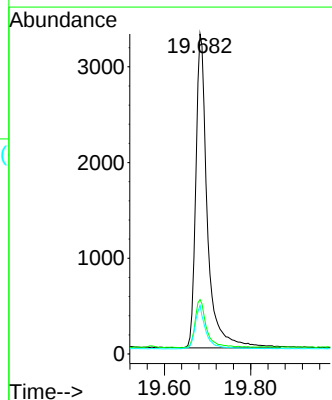
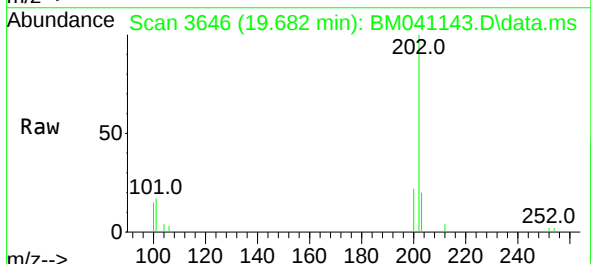
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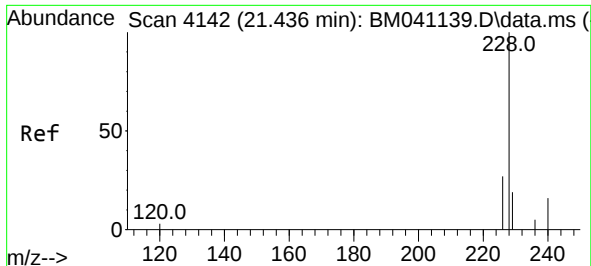
Tgt Ion:202 Resp: 5628
Ion Ratio Lower Upper
202 100
101 14.2 9.4 14.0#
100 11.6 7.1 10.7#



#20
Pyrene
Concen: 0.394 ng/u1
RT: 19.682 min Scan# 3646
Delta R.T. 0.000 min
Lab File: BM041143.D
Acq: 26 Jul 2023 19:50

Tgt Ion:202 Resp: 6097
Ion Ratio Lower Upper
202 100
101 17.0 10.7 16.1#
100 15.2 8.5 12.7#

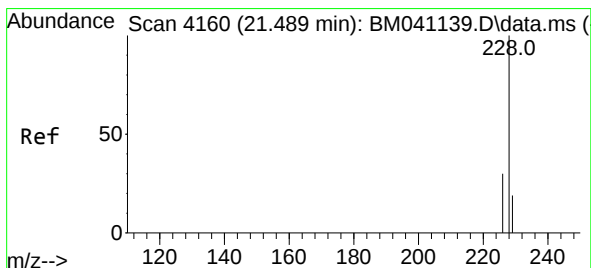
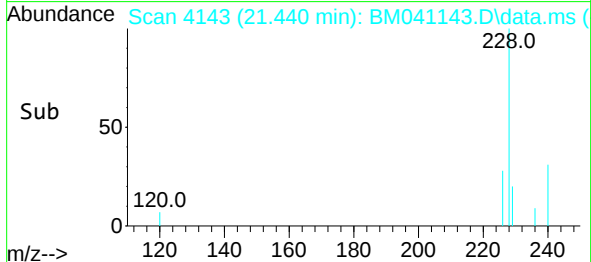
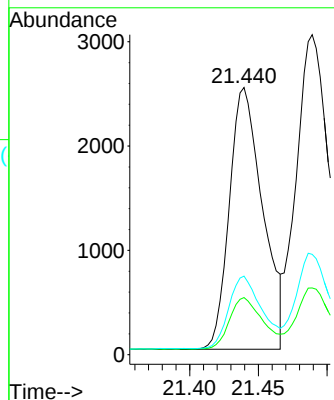
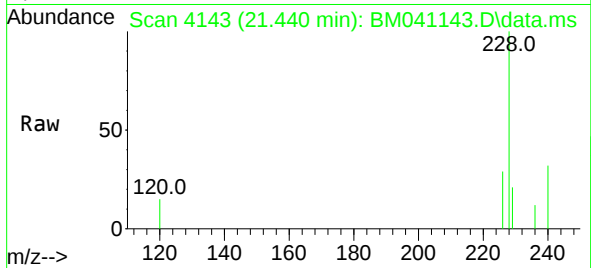




#21
Benzo(a)anthracene
Concen: 0.324 ng/ul
RT: 21.440 min Scan# 4142
Delta R.T. 0.006 min
Lab File: BM041143.D
Acq: 26 Jul 2023 19:50

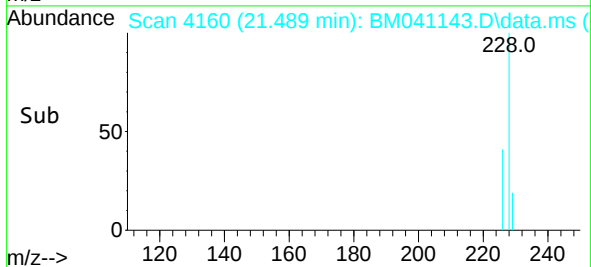
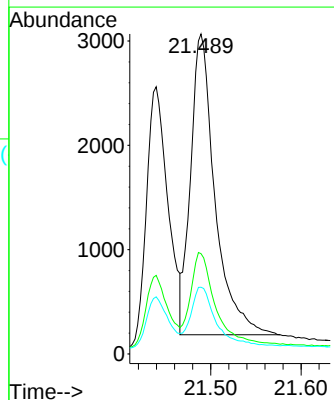
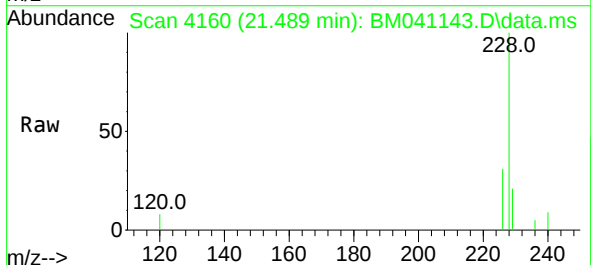
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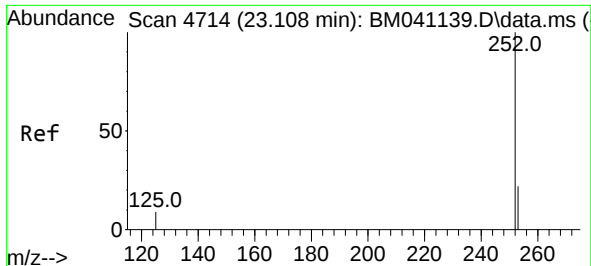
Tgt Ion:228	Resp:	4239
Ion Ratio	Lower	Upper
228	100	
229	21.4	16.5 24.7
226	29.4	22.2 33.2



#22
Chrysene
Concen: 0.357 ng/ul
RT: 21.489 min Scan# 4160
Delta R.T. 0.003 min
Lab File: BM041143.D
Acq: 26 Jul 2023 19:50

Tgt Ion:228	Resp:	5401
Ion Ratio	Lower	Upper
228	100	
226	31.4	24.2 36.4
229	20.9	15.9 23.9

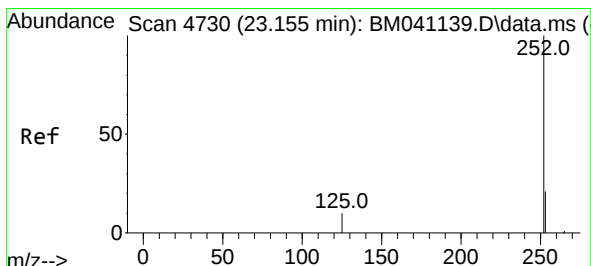
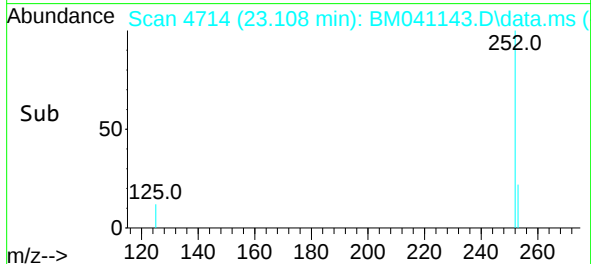
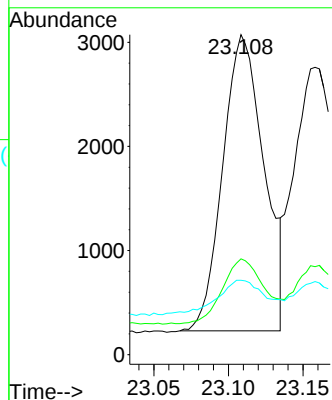
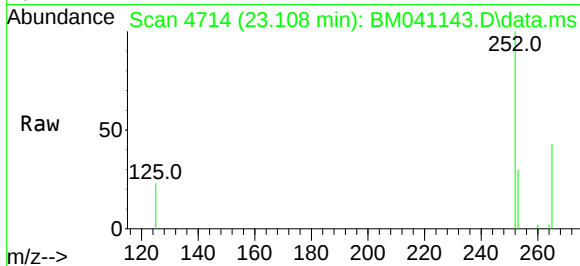




#24
Benzo(b)fluoranthene
Concen: 0.374 ng/ul
RT: 23.108 min Scan# 4714
Delta R.T. 0.003 min
Lab File: BM041143.D
Acq: 26 Jul 2023 19:50

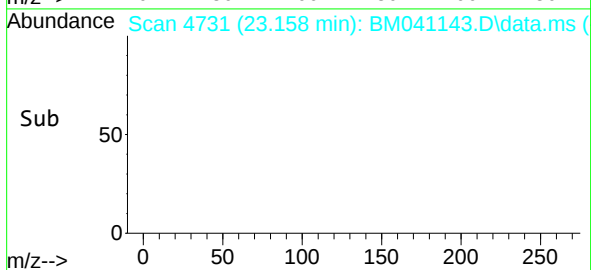
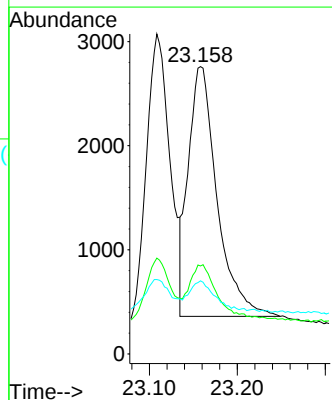
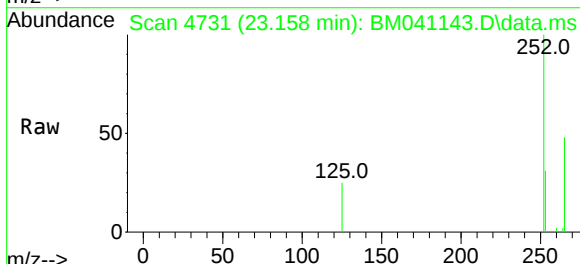
Instrument :
BNA_M
ClientSampleId :
SLCS143

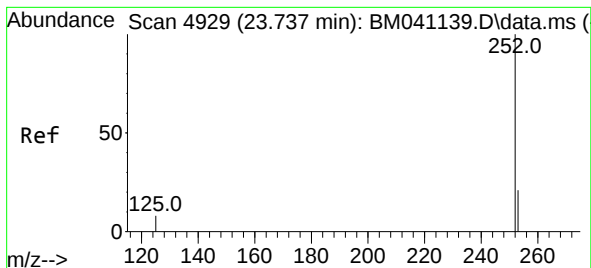
Tgt Ion:252	Resp:	5471
Ion Ratio	Lower	Upper
252	100	
253	30.0	0.0 57.6
125	23.3	0.0 33.6



#25
Benzo(k)fluoranthene
Concen: 0.391 ng/ul
RT: 23.158 min Scan# 4731
Delta R.T. 0.003 min
Lab File: BM041143.D
Acq: 26 Jul 2023 19:50

Tgt Ion:252	Resp:	5458
Ion Ratio	Lower	Upper
252	100	
253	30.7	22.8 34.2
125	25.5	13.5 20.3#





#26

Benzo(a)pyrene

Concen: 0.383 ng/ul

RT: 23.737 min Scan# 4929

Delta R.T. 0.009 min

Lab File: BM041143.D

Acq: 26 Jul 2023 19:50

Instrument :

BNA_M

ClientSampleId :

SLCS143

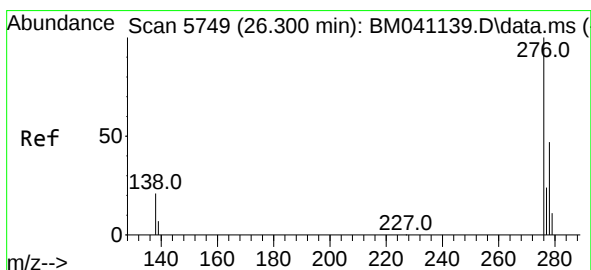
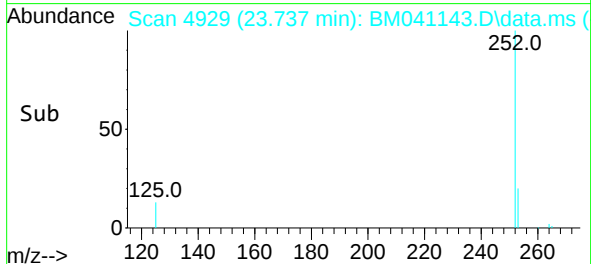
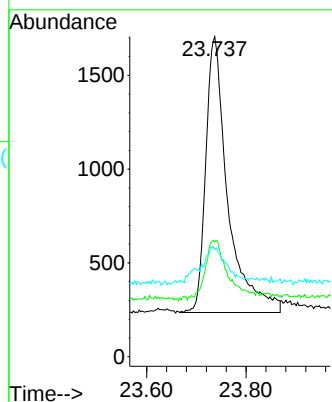
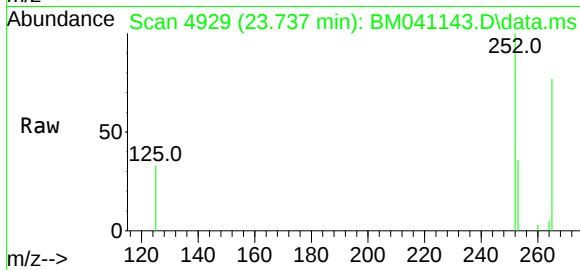
Tgt Ion:252 Resp: 4539

Ion Ratio Lower Upper

252 100

253 35.9 26.7 40.1

125 33.5 18.1 27.1#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.366 ng/ul

RT: 26.307 min Scan# 5751

Delta R.T. 0.010 min

Lab File: BM041143.D

Acq: 26 Jul 2023 19:50

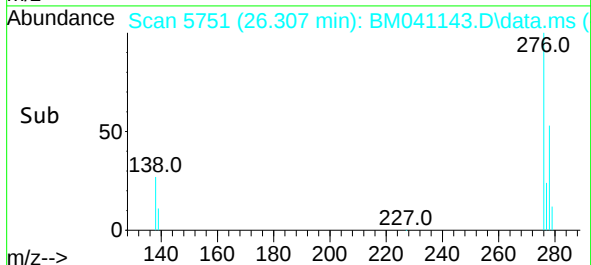
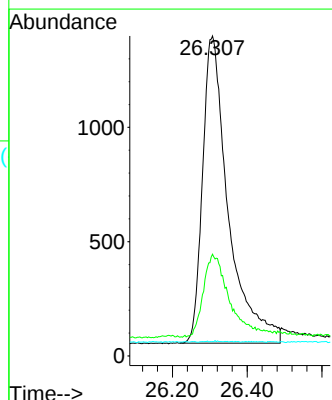
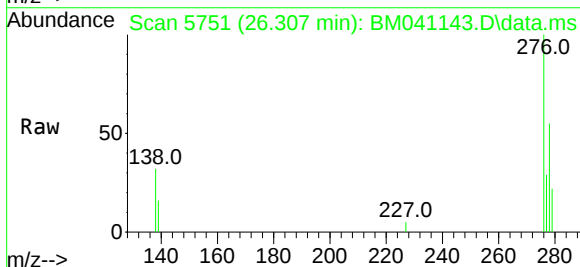
Tgt Ion:276 Resp: 6419

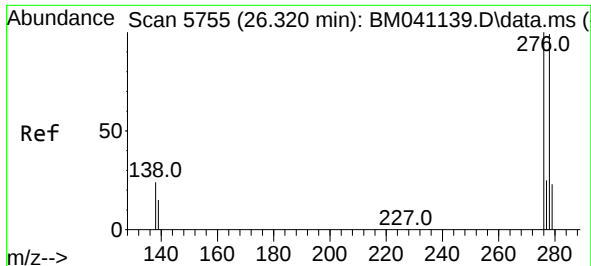
Ion Ratio Lower Upper

276 100

138 27.7 18.1 27.1#

227 0.1 0.2 0.2#

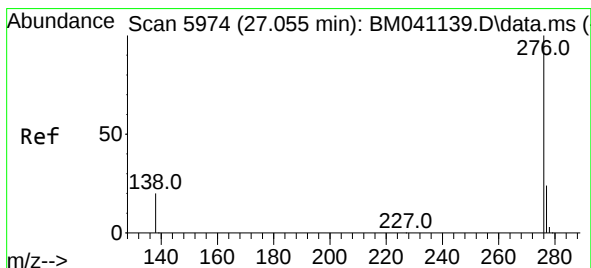
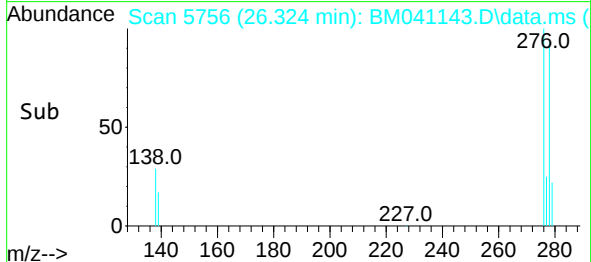
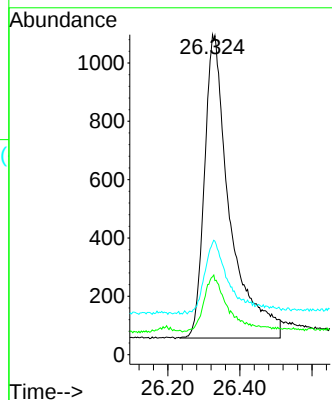
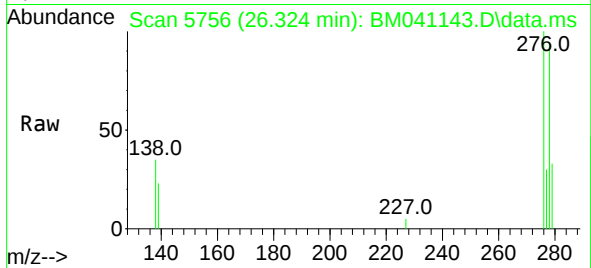




#28
Dibenzo(a,h)anthracene
Concen: 0.368 ng/ul
RT: 26.324 min Scan# 5755
Delta R.T. 0.007 min
Lab File: BM041143.D
Acq: 26 Jul 2023 19:50

Instrument :
BNA_M
ClientSampleId :
SLCS143

Tgt Ion: 278 Resp: 5063
Ion Ratio Lower Upper
278 100
139 24.3 14.1 21.1#
279 34.9 25.0 37.4



#29
Benzo(g,h,i)perylene
Concen: 0.385 ng/ul
RT: 27.055 min Scan# 5974
Delta R.T. 0.003 min
Lab File: BM041143.D
Acq: 26 Jul 2023 19:50

Tgt Ion: 276 Resp: 6038
Ion Ratio Lower Upper
276 100
138 28.4 18.2 27.2#
277 28.3 20.6 30.8

