

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
 Data File : BM043009.D
 Acq On : 25 Nov 2023 10:50
 Operator : MA/JU
 Sample : PB157166BS
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS166

Quant Time: Nov 27 02:42:52 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 : Mon Nov 27 02:36:19 2023
 Response via : Initial Calibration

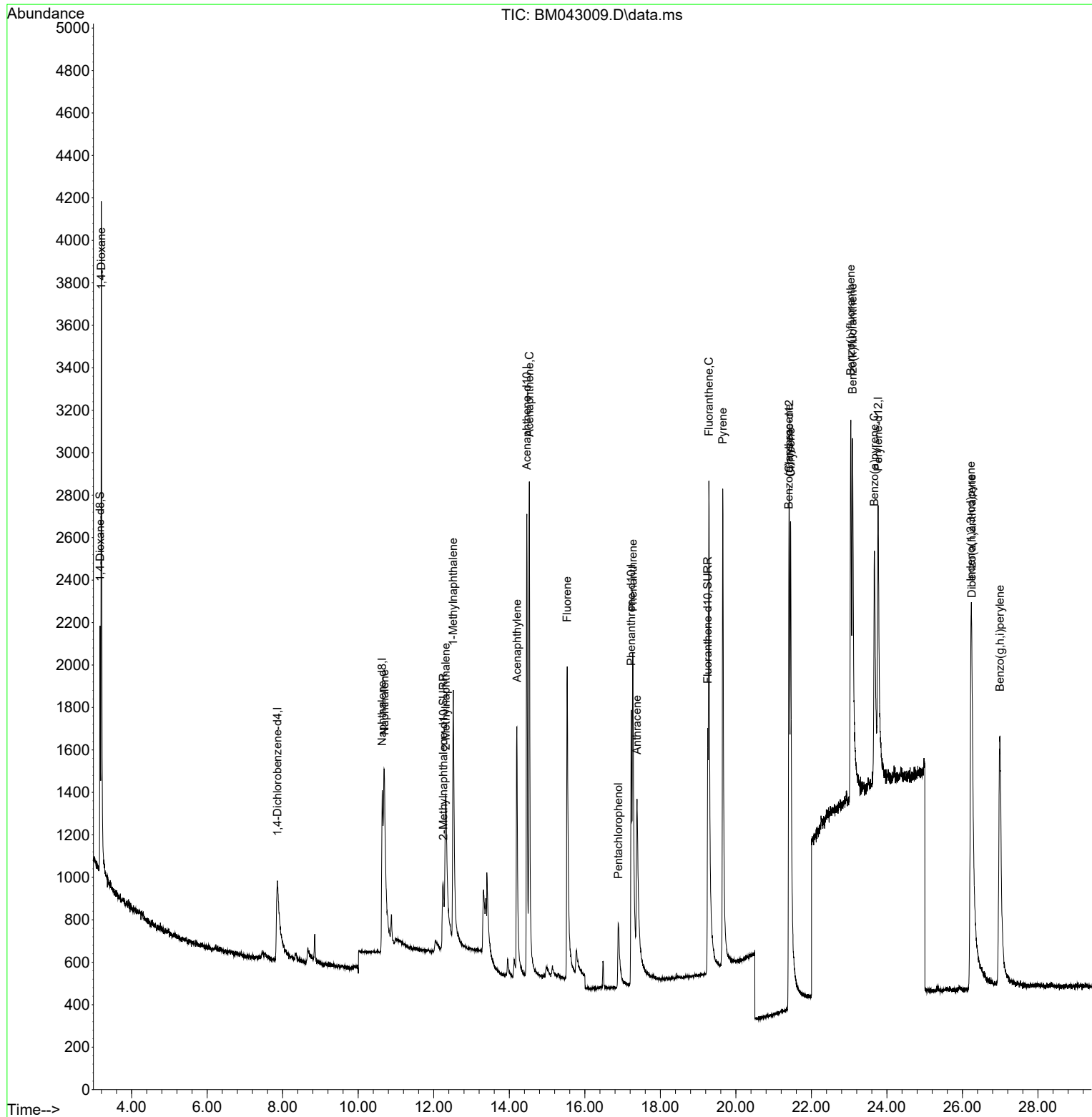
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.860	152	859	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.634	136	2616	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.465	164	1494	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.230	188	3004	0.400	ng/ul	0.00
17) Chrysene-d12	21.415	240	1919	0.400	ng/ul	0.00
23) Perylene-d12	23.765	264	2583	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.164	96	763	0.579	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.251	152	1135	0.324	ng/ul	0.00
18) Fluoranthene-d10	19.258	212	2160	0.309	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.198	88	2201	1.555	ng/ul#	83
5) Naphthalene	10.695	128	2131	0.300	ng/ul	98
7) 2-Methylnaphthalene	12.317	142	1268	0.302	ng/ul	100
8) 1-Methylnaphthalene	12.515	142	1287	0.275	ng/ul	95
10) Acenaphthylene	14.201	152	2234	0.293	ng/ul	99
11) Acenaphthene	14.530	153	1715	0.297	ng/ul	100
12) Fluorene	15.534	166	1756	0.296	ng/ul	99
14) Pentachlorophenol	16.884	266	526	0.647	ng/ul	95
15) Phenanthrene	17.272	178	2508	0.293	ng/ul	98
16) Anthracene	17.382	178	2415	0.297	ng/ul	97
19) Fluoranthene	19.286	202	3171	0.291	ng/ul	99
20) Pyrene	19.653	202	3348	0.289	ng/ul	99
21) Benzo(a)anthracene	21.403	228	2105	0.338	ng/ul	99
22) Chrysene	21.450	228	3500	0.302	ng/ul	98
24) Benzo(b)fluoranthene	23.042	252	2939	0.337	ng/ul	98
25) Benzo(k)fluoranthene	23.092	252	3950	0.329	ng/ul	96
26) Benzo(a)pyrene	23.668	252	3010	0.316	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.225	276	4213	0.327	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.248	278	3301	0.331	ng/ul	94
29) Benzo(g,h,i)perylene	26.993	276	3989	0.318	ng/ul	98

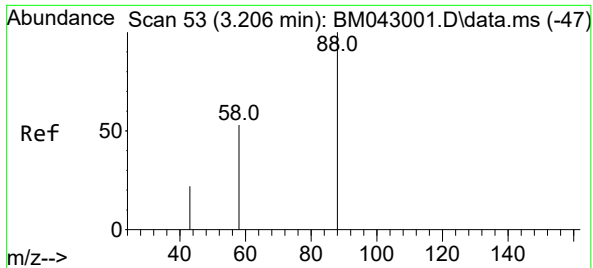
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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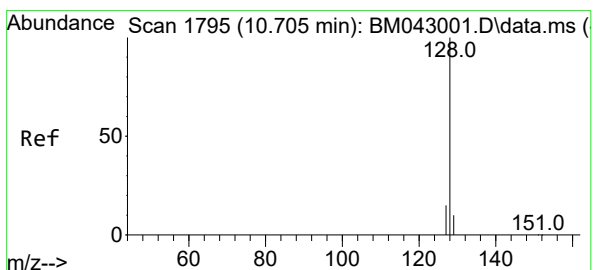
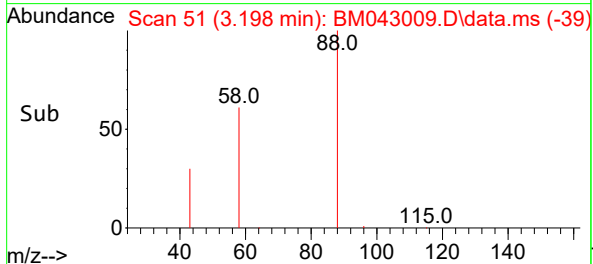
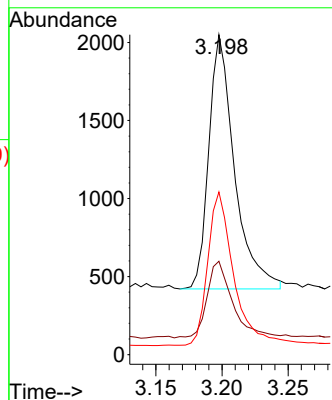
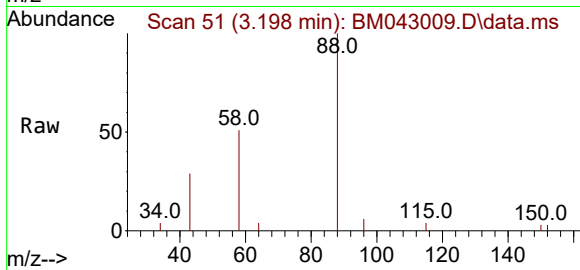




#2
1,4-Dioxane
Concen: 1.555 ng/ul
RT: 3.198 min Scan# 51
Delta R.T. -0.008 min
Lab File: BM043009.D
Acq: 25 Nov 2023 10:50

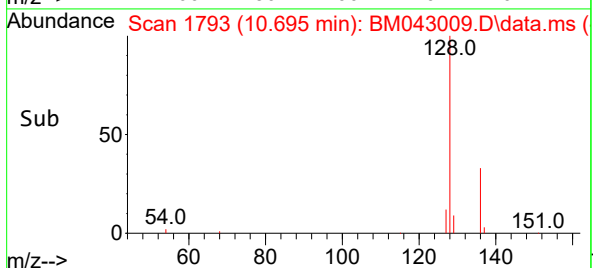
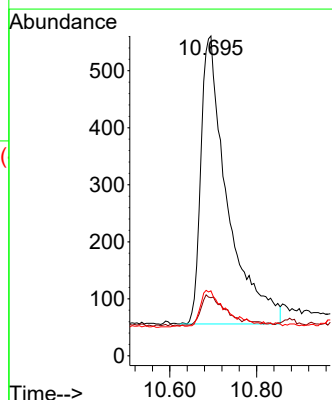
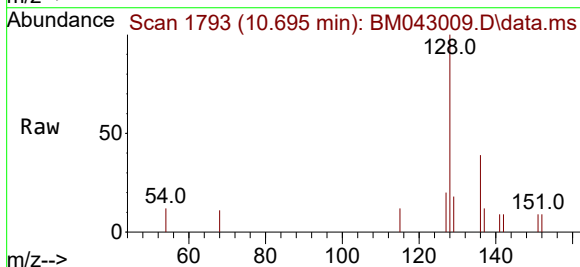
Instrument :
BNA_M
ClientSampleId :
SLCS166

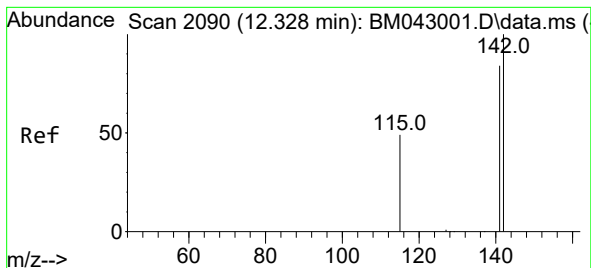
Tgt Ion: 88 Resp: 2201
Ion Ratio Lower Upper
88 100
43 29.2 22.8 34.2
58 50.8 26.8 40.2#



#5
Naphthalene
Concen: 0.300 ng/ul
RT: 10.695 min Scan# 1793
Delta R.T. -0.004 min
Lab File: BM043009.D
Acq: 25 Nov 2023 10:50

Tgt Ion: 128 Resp: 2131
Ion Ratio Lower Upper
128 100
129 18.2 16.0 24.0
127 20.3 16.5 24.7

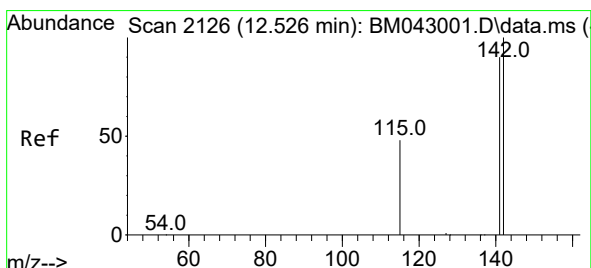
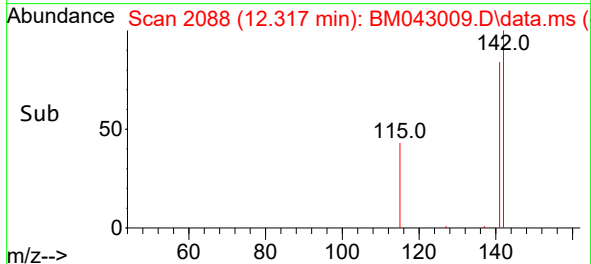
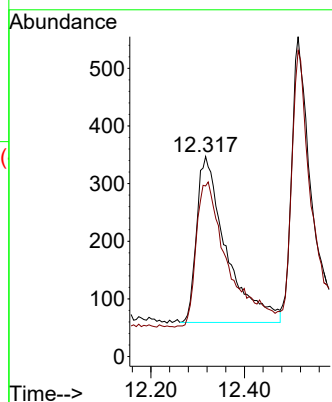
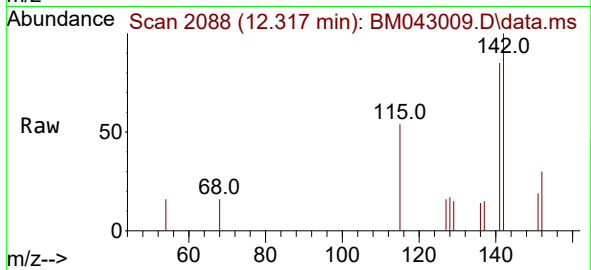




#7
2-Methylnaphthalene
Concen: 0.302 ng/ul
RT: 12.317 min Scan# 2090
Delta R.T. -0.015 min
Lab File: BM043009.D
Acq: 25 Nov 2023 10:50

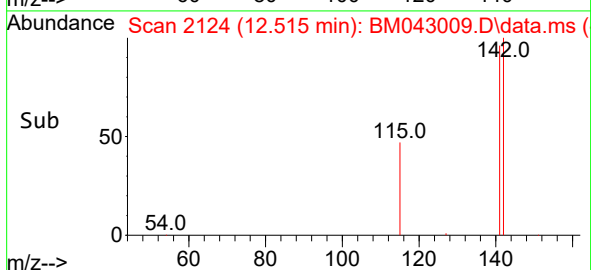
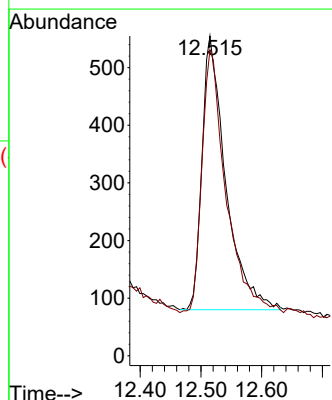
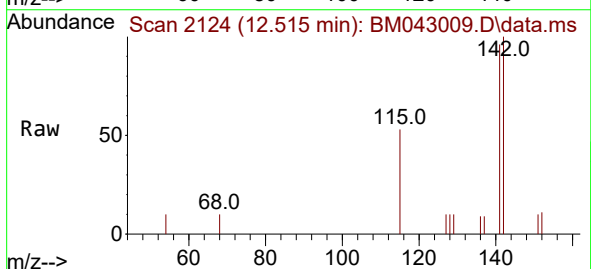
Instrument :
BNA_M
ClientSampleId :
SLCS166

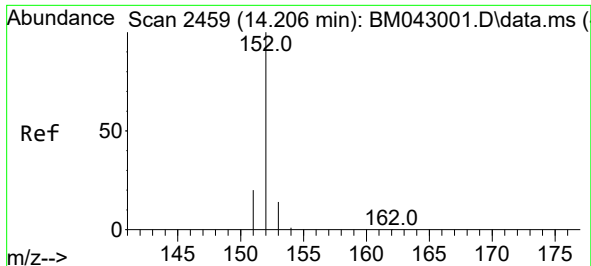
Tgt Ion:142 Resp: 1268
Ion Ratio Lower Upper
142 100
141 95.0 76.1 114.1



#8
1-Methylnaphthalene
Concen: 0.275 ng/ul
RT: 12.515 min Scan# 2124
Delta R.T. -0.004 min
Lab File: BM043009.D
Acq: 25 Nov 2023 10:50

Tgt Ion:142 Resp: 1287
Ion Ratio Lower Upper
142 100
141 97.4 73.8 110.8

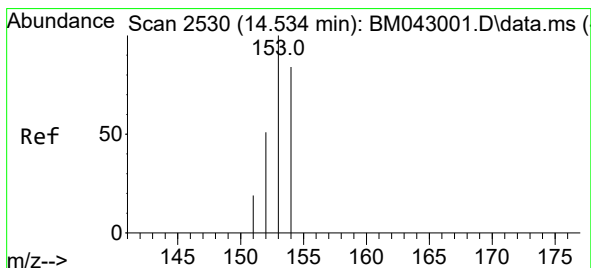
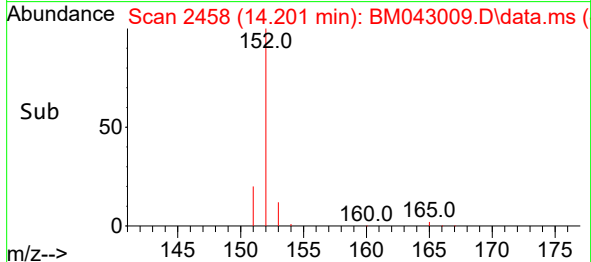
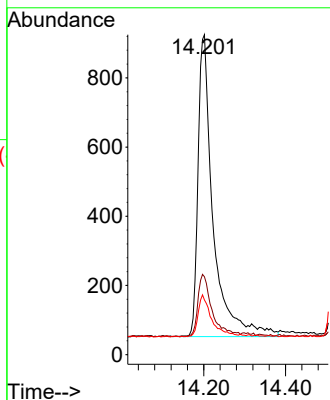
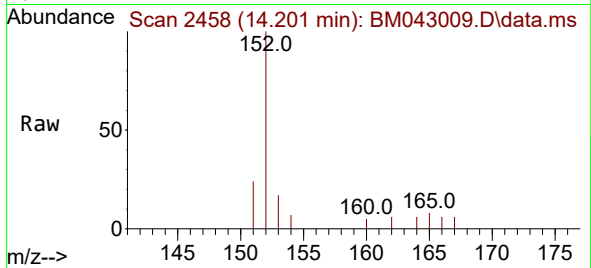




#10
Acenaphthylene
Concen: 0.293 ng/ul
RT: 14.201 min Scan# 2459
Delta R.T. -0.003 min
Lab File: BM043009.D
Acq: 25 Nov 2023 10:50

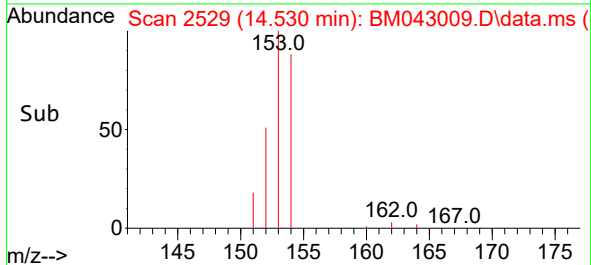
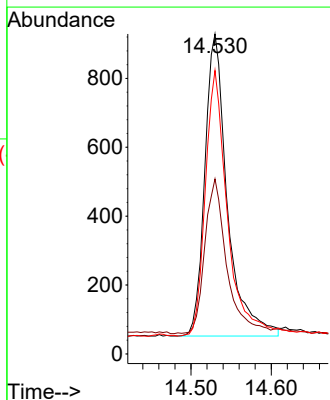
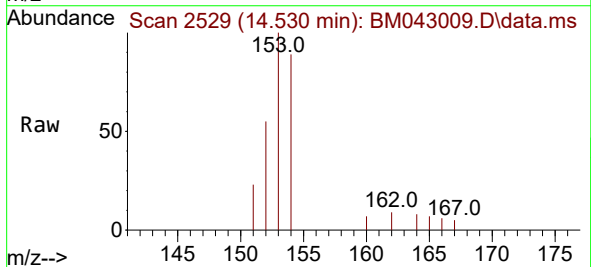
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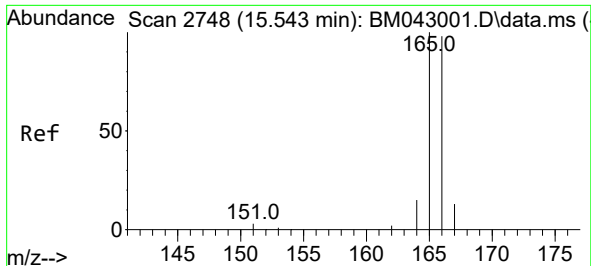
Tgt Ion:152 Resp: 2234
Ion Ratio Lower Upper
152 100
151 24.3 19.4 29.0
153 17.1 14.6 21.8



#11
Acenaphthene
Concen: 0.297 ng/ul
RT: 14.530 min Scan# 2529
Delta R.T. -0.003 min
Lab File: BM043009.D
Acq: 25 Nov 2023 10:50

Tgt Ion:153 Resp: 1715
Ion Ratio Lower Upper
153 100
152 54.7 43.9 65.9
154 88.6 70.6 105.8

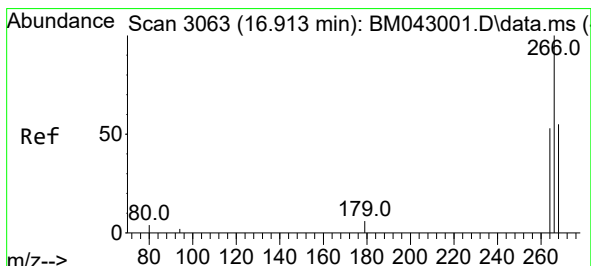
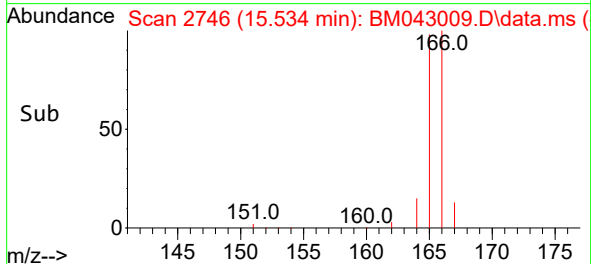
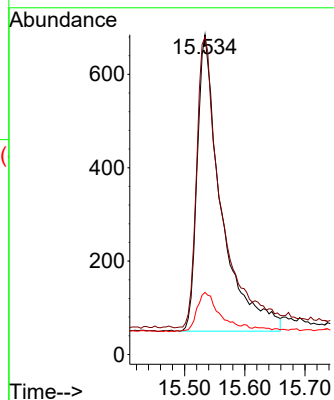
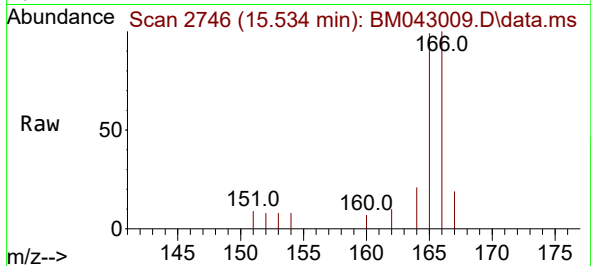




#12
Fluorene
Concen: 0.296 ng/ul
RT: 15.534 min Scan# 21
Delta R.T. -0.003 min
Lab File: BM043009.D
Acq: 25 Nov 2023 10:50

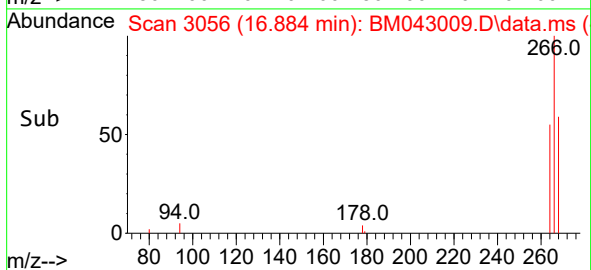
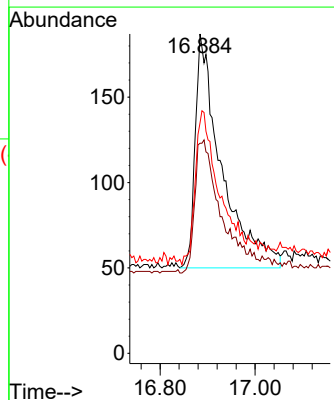
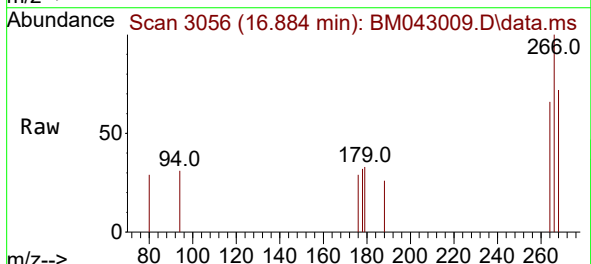
Instrument :
BNA_M
ClientSampleId :
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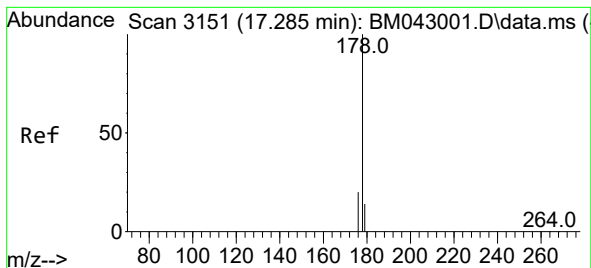
Tgt Ion:166 Resp: 1756
Ion Ratio Lower Upper
166 100
165 99.1 79.9 119.9
167 19.4 14.2 21.4



#14
Pentachlorophenol
Concen: 0.647 ng/ul
RT: 16.884 min Scan# 3056
Delta R.T. -0.028 min
Lab File: BM043009.D
Acq: 25 Nov 2023 10:50

Tgt Ion:266 Resp: 526
Ion Ratio Lower Upper
266 100
264 57.8 48.8 73.2
268 69.0 51.8 77.6





#15

Phenanthrene

Concen: 0.293 ng/ul

RT: 17.272 min Scan# 3151

Delta R.T. -0.007 min

Lab File: BM043009.D

Acq: 25 Nov 2023 10:50

Instrument :

BNA_M

ClientSampleId :

SLCS166

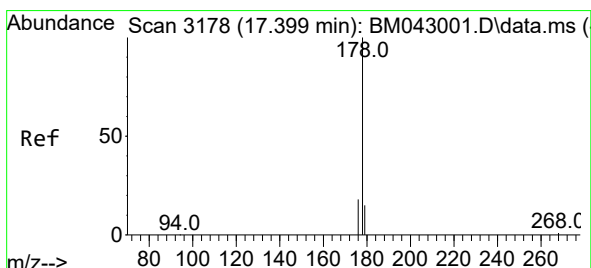
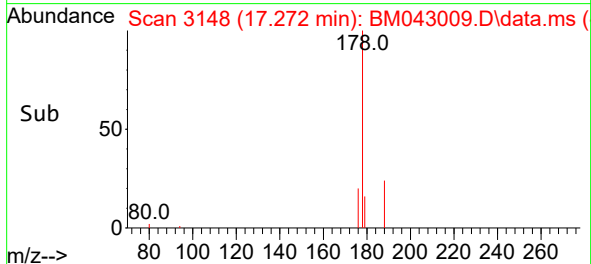
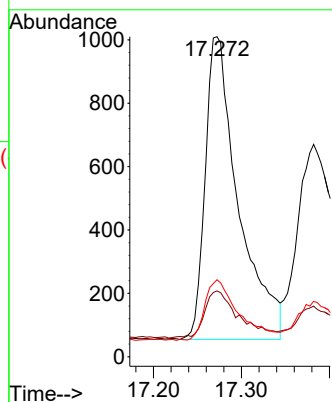
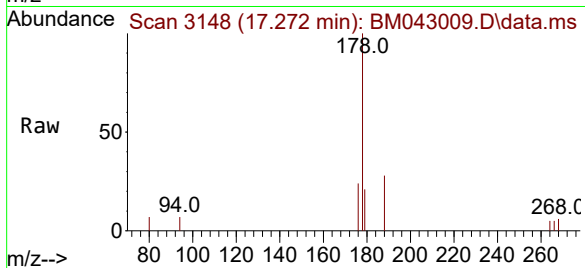
Tgt Ion:178 Resp: 2508

Ion Ratio Lower Upper

178 100

179 20.6 15.7 23.5

176 24.1 18.9 28.3



#16

Anthracene

Concen: 0.297 ng/ul

RT: 17.382 min Scan# 3174

Delta R.T. -0.011 min

Lab File: BM043009.D

Acq: 25 Nov 2023 10:50

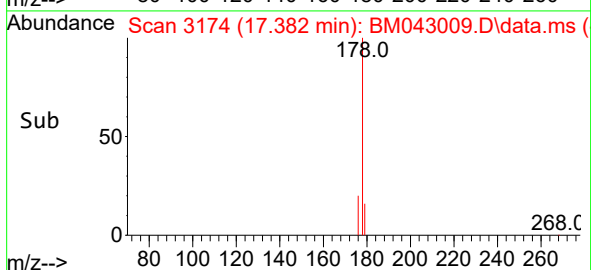
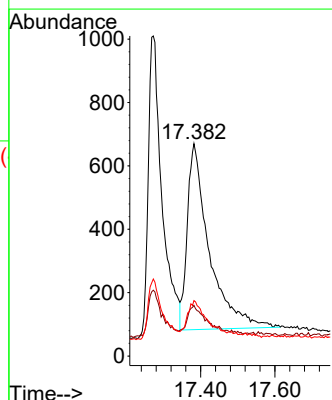
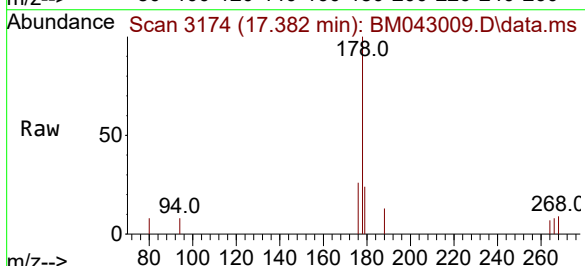
Tgt Ion:178 Resp: 2415

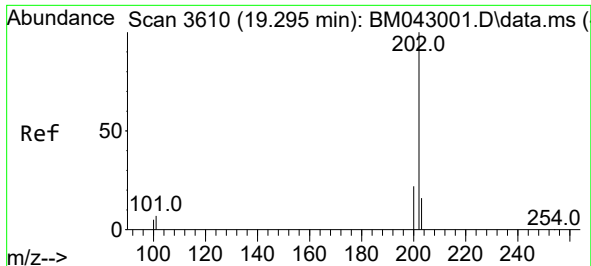
Ion Ratio Lower Upper

178 100

179 23.9 17.3 25.9

176 26.1 20.5 30.7

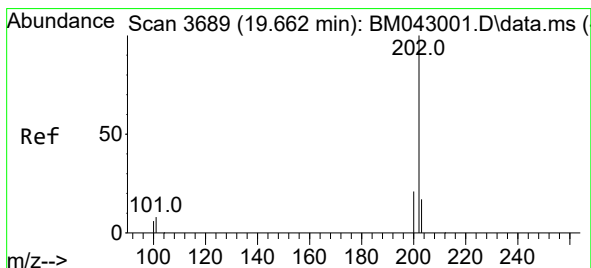
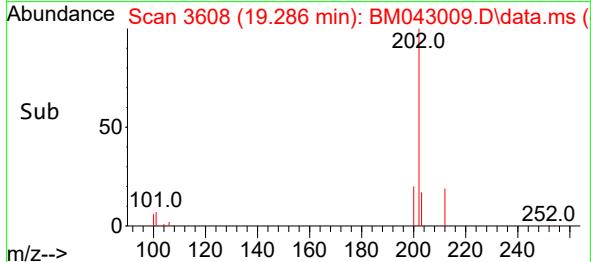
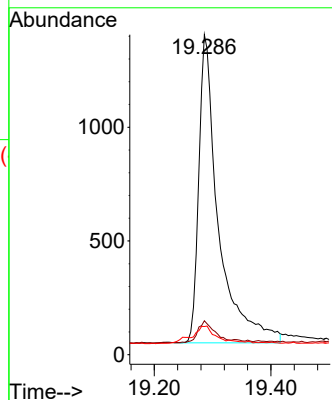
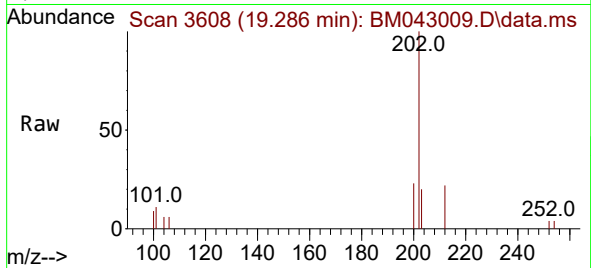




#19
Fluoranthene
Concen: 0.291 ng/ul
RT: 19.286 min Scan# 3608
Delta R.T. -0.008 min
Lab File: BM043009.D
Acq: 25 Nov 2023 10:50

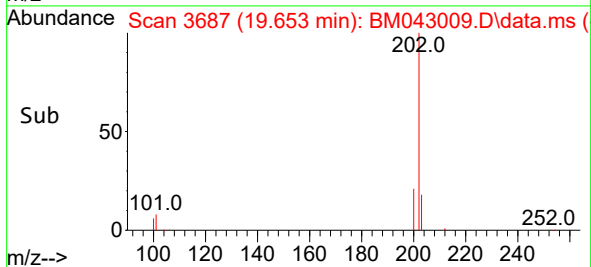
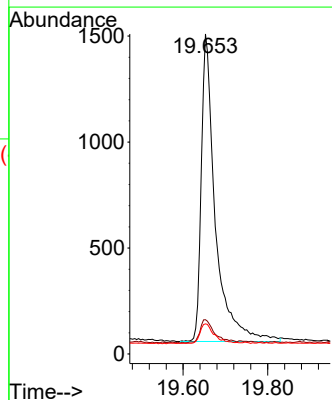
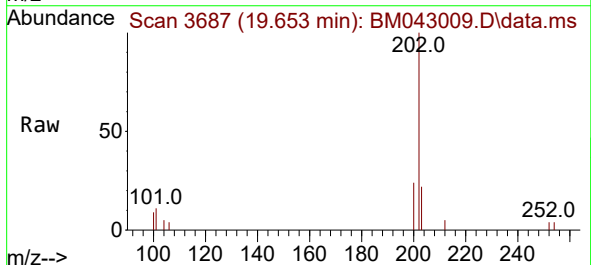
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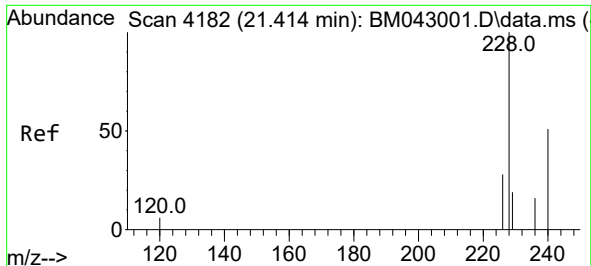
Tgt Ion:202 Resp: 3171
Ion Ratio Lower Upper
202 100
101 10.6 7.8 11.8
100 8.8 7.1 10.7



#20
Pyrene
Concen: 0.289 ng/ul
RT: 19.653 min Scan# 3687
Delta R.T. -0.008 min
Lab File: BM043009.D
Acq: 25 Nov 2023 10:50

Tgt Ion:202 Resp: 3348
Ion Ratio Lower Upper
202 100
101 10.7 8.7 13.1
100 9.4 7.8 11.8

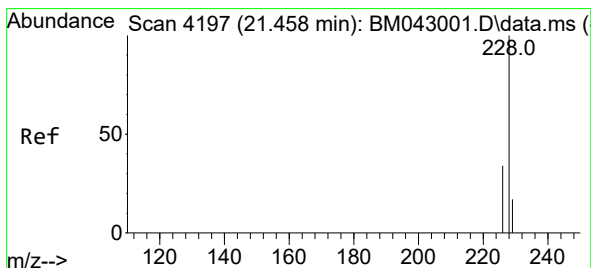
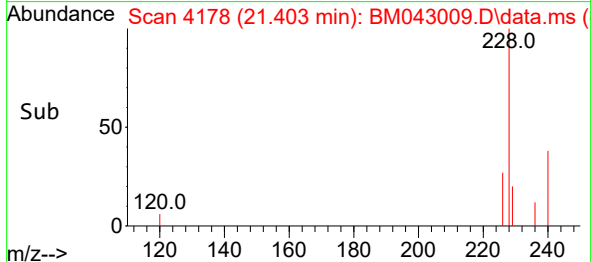
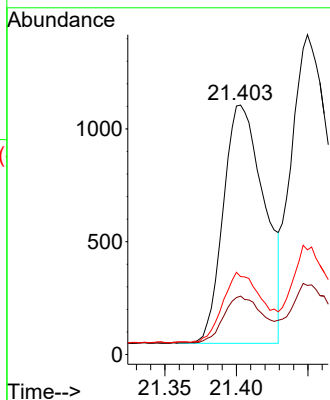
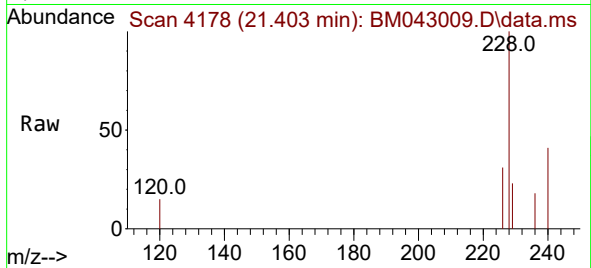




#21
Benzo(a)anthracene
Concen: 0.338 ng/ul
RT: 21.403 min Scan# 4182
Delta R.T. -0.009 min
Lab File: BM043009.D
Acq: 25 Nov 2023 10:50

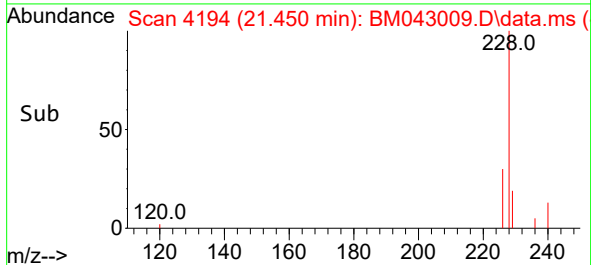
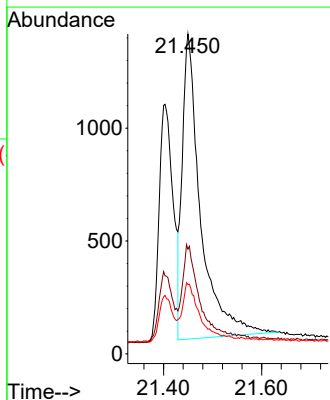
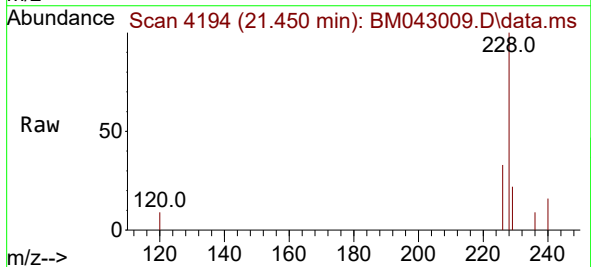
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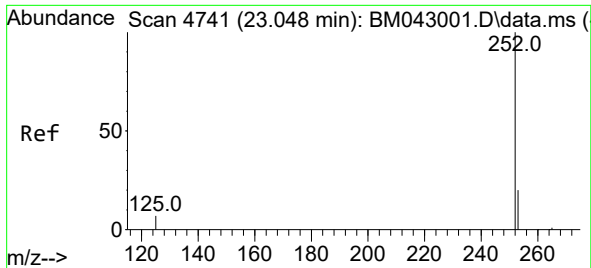
Tgt Ion:228 Resp: 2105
Ion Ratio Lower Upper
228 100
229 23.4 19.4 29.0
226 31.3 24.9 37.3



#22
Chrysene
Concen: 0.302 ng/ul
RT: 21.450 min Scan# 4194
Delta R.T. -0.009 min
Lab File: BM043009.D
Acq: 25 Nov 2023 10:50

Tgt Ion:228 Resp: 3500
Ion Ratio Lower Upper
228 100
226 32.7 27.2 40.8
229 21.7 18.0 27.0

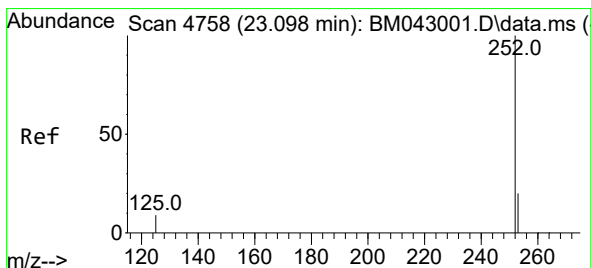
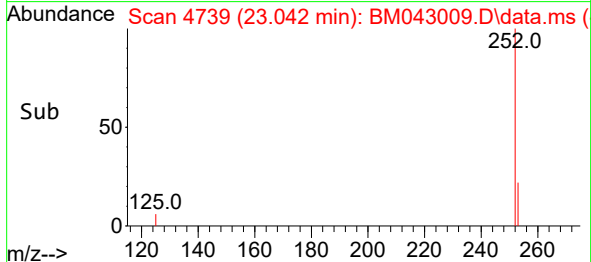
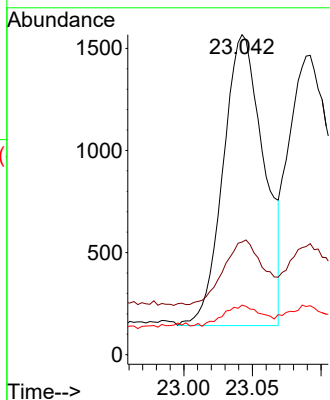
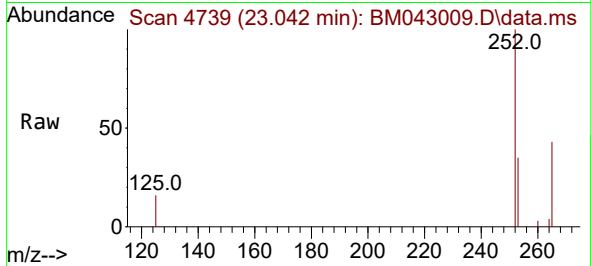




#24
Benzo(b)fluoranthene
Concen: 0.337 ng/ul
RT: 23.042 min Scan# 4739
Delta R.T. -0.009 min
Lab File: BM043009.D
Acq: 25 Nov 2023 10:50

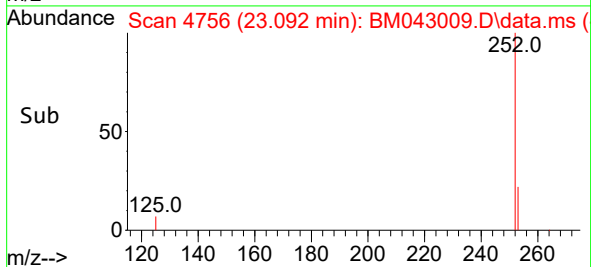
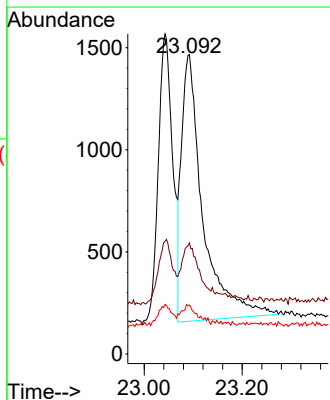
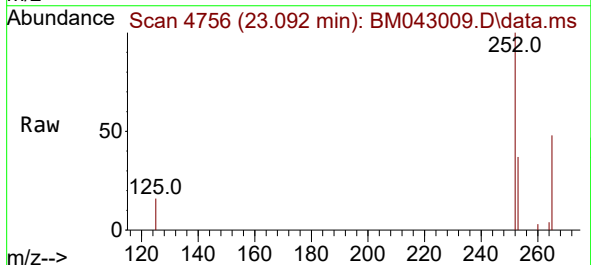
Instrument :
BNA_M
ClientSampleId :
SLCS166

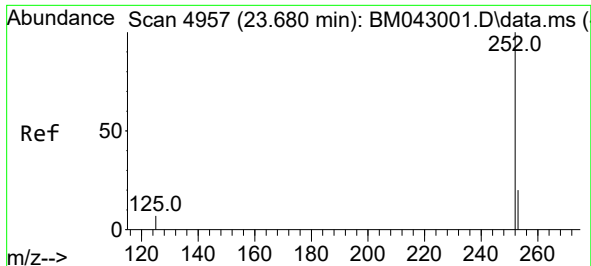
Tgt Ion:252 Resp: 2939
Ion Ratio Lower Upper
252 100
253 35.2 0.0 71.8
125 15.5 0.0 29.0



#25
Benzo(k)fluoranthene
Concen: 0.329 ng/ul
RT: 23.092 min Scan# 4756
Delta R.T. -0.006 min
Lab File: BM043009.D
Acq: 25 Nov 2023 10:50

Tgt Ion:252 Resp: 3950
Ion Ratio Lower Upper
252 100
253 37.1 28.2 42.2
125 16.4 11.0 16.6

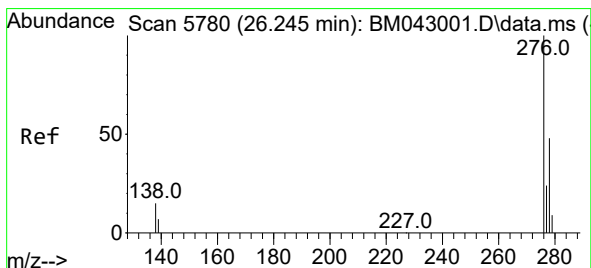
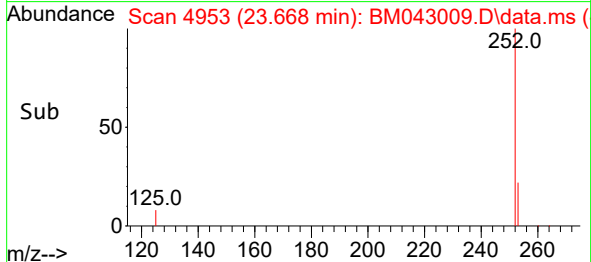
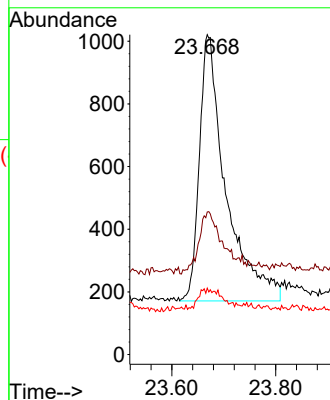
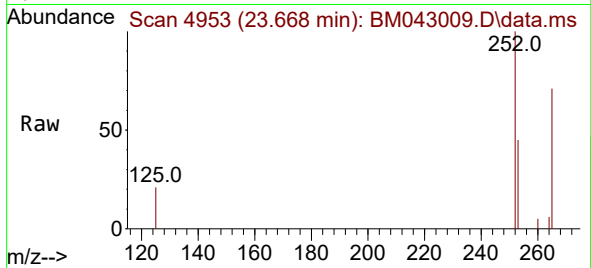




#26
Benzo(a)pyrene
Concen: 0.316 ng/ul
RT: 23.668 min Scan# 4953
Delta R.T. -0.018 min
Lab File: BM043009.D
Acq: 25 Nov 2023 10:50

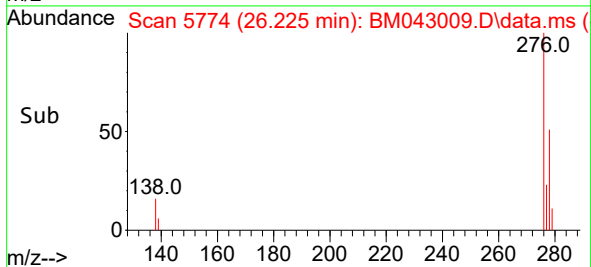
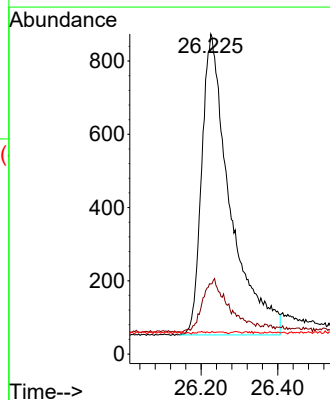
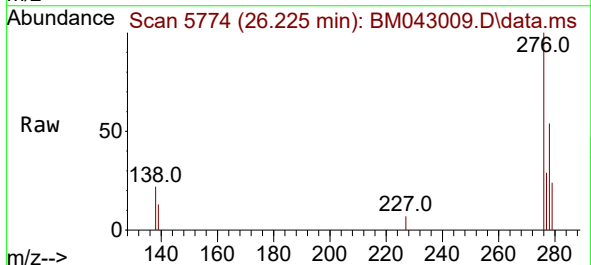
Instrument :
BNA_M
ClientSampleId :
SLCS166

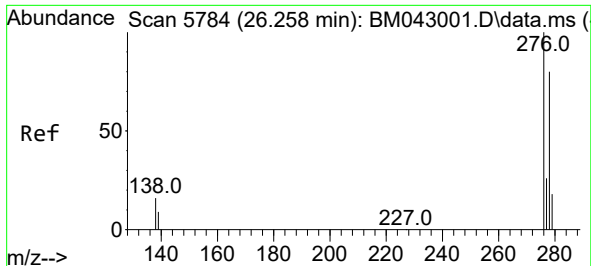
Tgt Ion:252	Resp:	3010	
Ion	Ratio	Lower	Upper
252	100		
253	44.6	36.6	55.0
125	20.8	16.2	24.4



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.327 ng/ul
RT: 26.225 min Scan# 5774
Delta R.T. -0.014 min
Lab File: BM043009.D
Acq: 25 Nov 2023 10:50

Tgt	Ion:276	Resp:	4213
Ion	Ratio	Lower	Upper
276	100		
138	0.0	0.0	0.0
227	0.1	0.2	0.2#

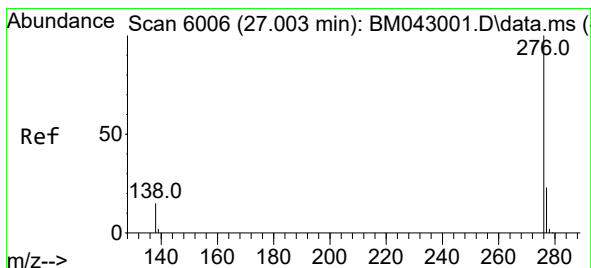
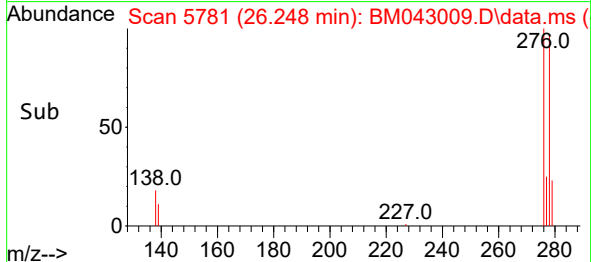
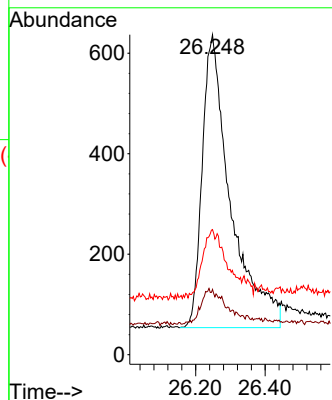
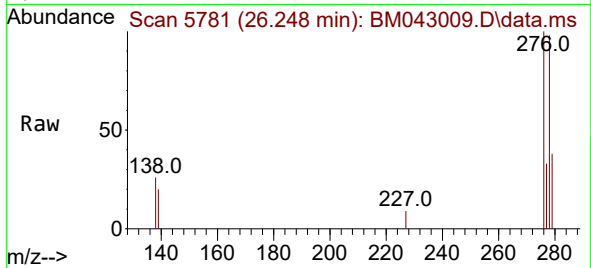




#28
 Dibenzo(a,h)anthracene
 Concen: 0.331 ng/ul
 RT: 26.248 min Scan# 51
 Delta R.T. -0.027 min
 Lab File: BM043009.D
 Acq: 25 Nov 2023 10:50

Instrument :
 BNA_M
 ClientSampleId :
 SLCS166

Tgt Ion:278 Resp: 3301
 Ion Ratio Lower Upper
 278 100
 139 20.4 18.1 27.1
 279 39.1 34.4 51.6



#29
 Benzo(g,h,i)perylene
 Concen: 0.318 ng/ul
 RT: 26.993 min Scan# 6003
 Delta R.T. -0.017 min
 Lab File: BM043009.D
 Acq: 25 Nov 2023 10:50

Tgt Ion:276 Resp: 3989
 Ion Ratio Lower Upper
 276 100
 138 22.0 17.8 26.8
 277 27.9 23.8 35.8

