

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021225\
 Data File : BM049638.D
 Acq On : 13 Feb 2025 02:55
 Operator : RC/JU
 Sample : PB166627BS
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS627

Quant Time: Feb 17 12:06:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 12 16:40:36 2025
 Response via : Initial Calibration

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

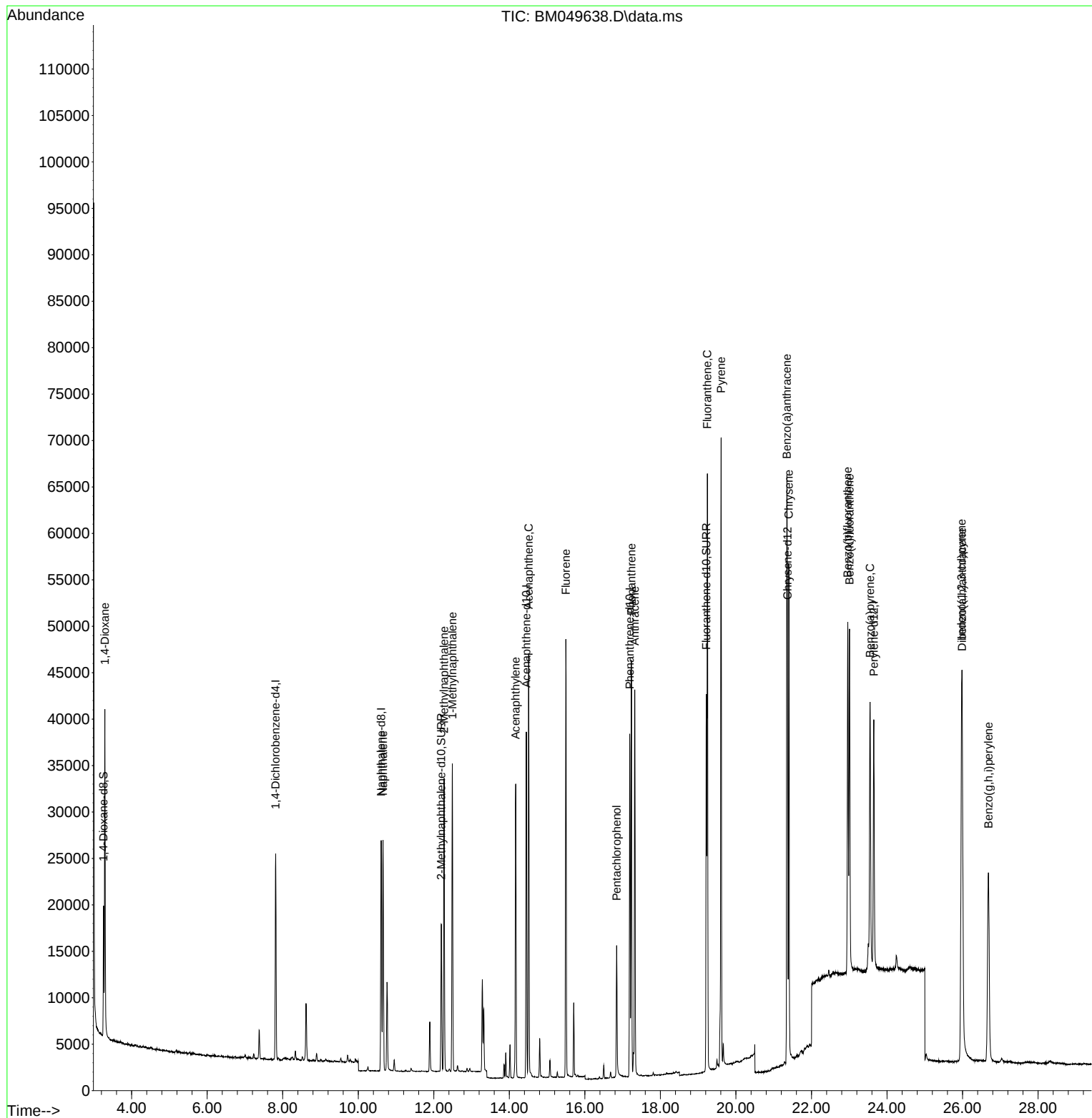
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.813	152	11011	0.400	ng/u1	0.00
4) Naphthalene-d8	10.607	136	33442	0.400	ng/u1	0.00
9) Acenaphthene-d10	14.451	164	20846	0.400	ng/u1	0.00
13) Phenanthrene-d10	17.188	188	43892	0.400	ng/u1	0.00
17) Chrysene-d12	21.365	240	32502	0.400	ng/u1	0.00
23) Perylene-d12	23.650	264	35732	0.400	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.256	96	8212	0.663	ng/u1	0.00
6) 2-Methylnaphthalene-d10	12.196	152	20856	0.454	ng/u1	0.00
18) Fluoranthene-d10	19.216	212	43926	0.444	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.290	88	22266	1.663	ng/u1	86
5) Naphthalene	10.656	128	32981	0.398	ng/u1	100
7) 2-Methylnaphthalene	12.273	142	22276	0.413	ng/u1	99
8) 1-Methylnaphthalene	12.493	142	22938	0.419	ng/u1	99
10) Acenaphthylene	14.169	152	35022	0.396	ng/u1	99
11) Acenaphthene	14.511	153	24810	0.385	ng/u1	98
12) Fluorene	15.497	166	29057	0.394	ng/u1	98
14) Pentachlorophenol	16.841	266	10339	1.149	ng/u1	97
15) Phenanthrene	17.230	178	46514	0.396	ng/u1	100
16) Anthracene	17.323	178	44400	0.413	ng/u1	99
19) Fluoranthene	19.244	202	53137	0.396	ng/u1	99
20) Pyrene	19.606	202	56469	0.408	ng/u1	99
21) Benzo(a)anthracene	21.347	228	47982	0.431	ng/u1	99
22) Chrysene	21.400	228	47047	0.398	ng/u1	99
24) Benzo(b)fluoranthene	22.960	252	48234	0.405	ng/u1	97
25) Benzo(k)fluoranthene	23.007	252	50719	0.379	ng/u1	98
26) Benzo(a)pyrene	23.551	252	44351	0.413	ng/u1	98
27) Indeno(1,2,3-cd)pyrene	25.977	276	59106	0.388	ng/u1	99
28) Dibenzo(a,h)anthracene	25.990	278	45692	0.395	ng/u1	98
29) Benzo(g,h,i)perylene	26.684	276	46232	0.378	ng/u1	98

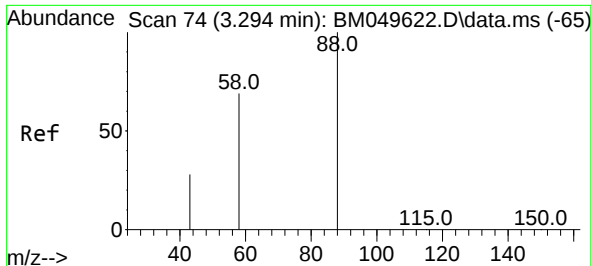
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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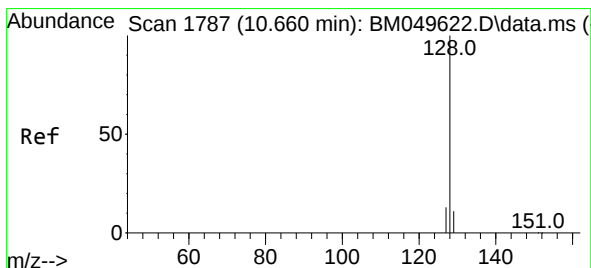
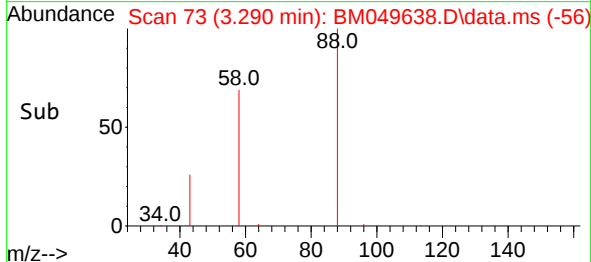
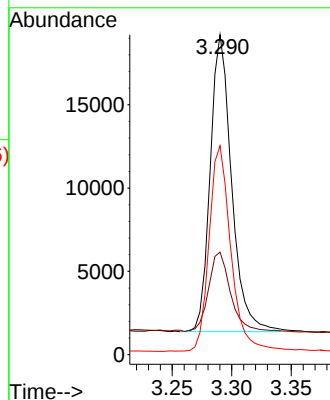
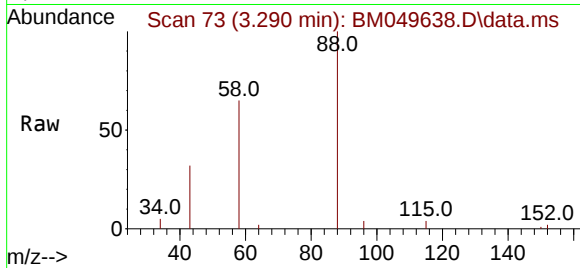




#2
1,4-Dioxane
Concen: 1.663 ng/ul
RT: 3.290 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM049638.D
Acq: 13 Feb 2025 02:55

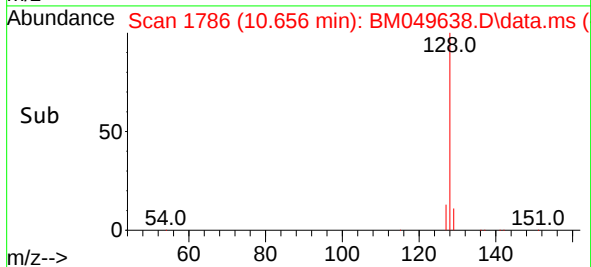
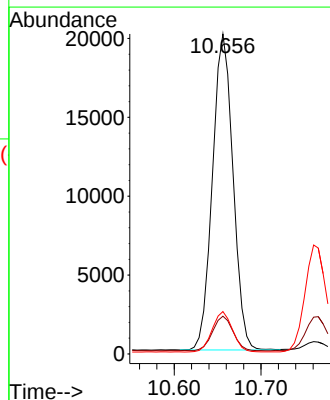
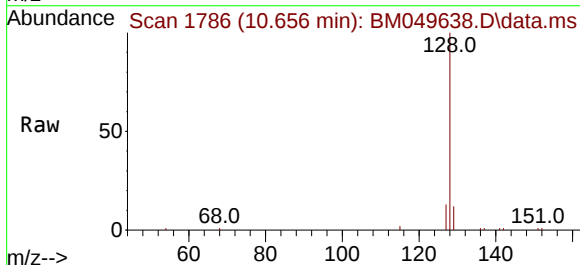
Instrument :
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SLCS627

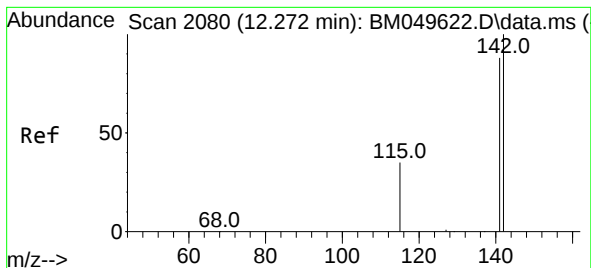
Tgt Ion: 88 Resp: 22266
Ion Ratio Lower Upper
88 100
43 32.1 31.9 47.9
58 65.3 43.7 65.5



#5
Naphthalene
Concen: 0.398 ng/ul
RT: 10.656 min Scan# 1786
Delta R.T. 0.001 min
Lab File: BM049638.D
Acq: 13 Feb 2025 02:55

Tgt Ion: 128 Resp: 32981
Ion Ratio Lower Upper
128 100
129 11.8 9.4 14.0
127 13.3 10.8 16.2

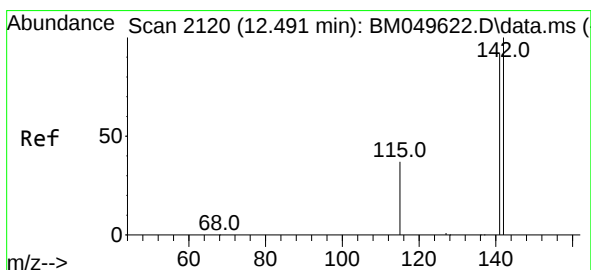
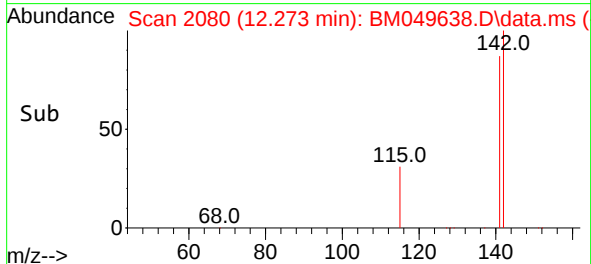
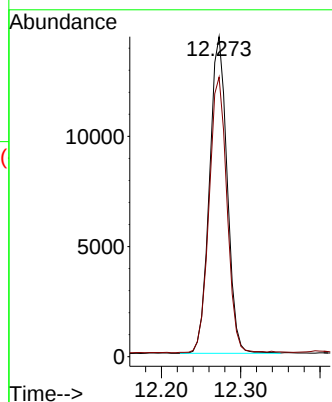
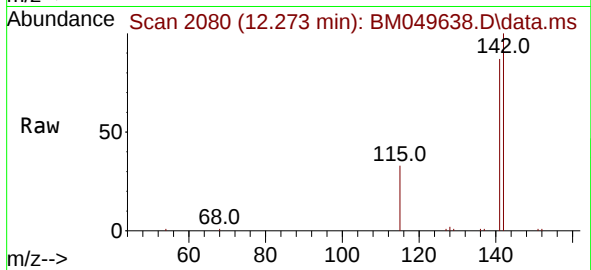




#7
2-Methylnaphthalene
Concen: 0.413 ng/ul
RT: 12.273 min Scan# 2080
Delta R.T. -0.004 min
Lab File: BM049638.D
Acq: 13 Feb 2025 02:55

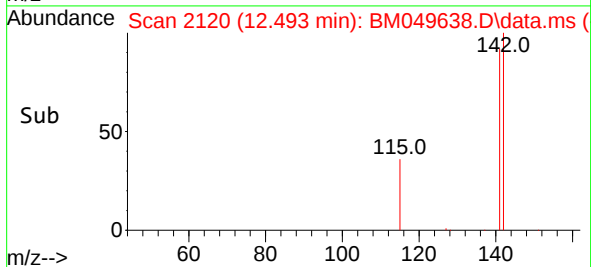
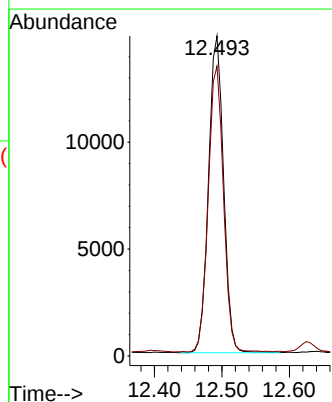
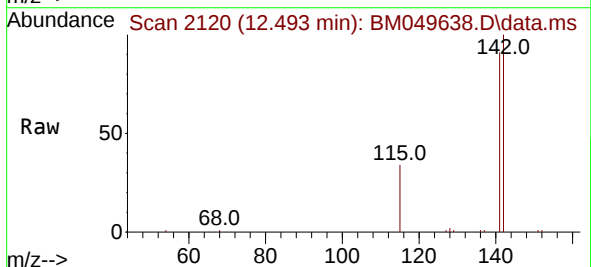
Instrument :
BNA_M
ClientSampleId :
SLCS627

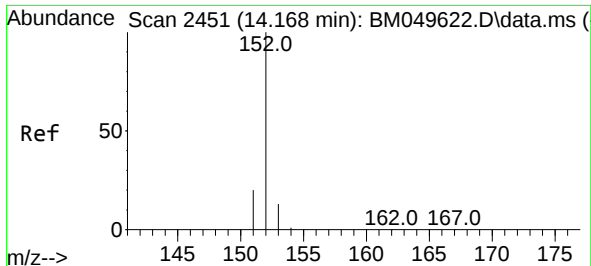
Tgt Ion:142 Resp: 22276
Ion Ratio Lower Upper
142 100
141 87.6 71.0 106.6



#8
1-Methylnaphthalene
Concen: 0.419 ng/ul
RT: 12.493 min Scan# 2120
Delta R.T. 0.001 min
Lab File: BM049638.D
Acq: 13 Feb 2025 02:55

Tgt Ion:142 Resp: 22938
Ion Ratio Lower Upper
142 100
141 90.8 73.1 109.7

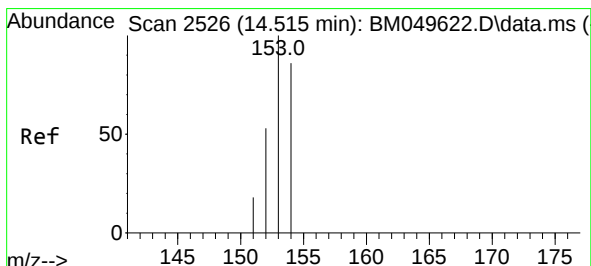
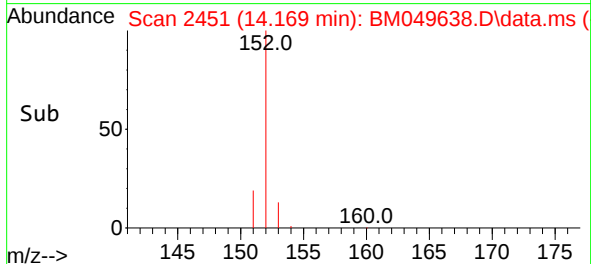
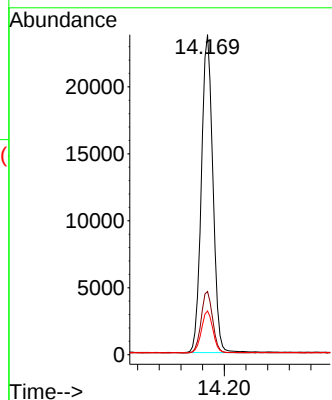
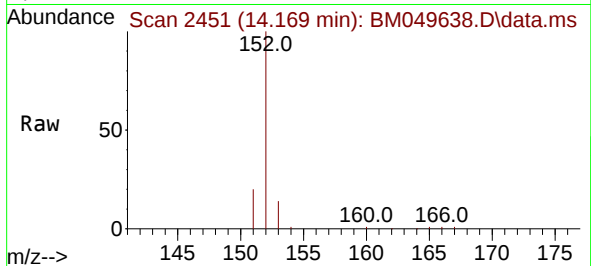




#10
Acenaphthylene
Concen: 0.396 ng/ul
RT: 14.169 min Scan# 2451
Delta R.T. -0.003 min
Lab File: BM049638.D
Acq: 13 Feb 2025 02:55

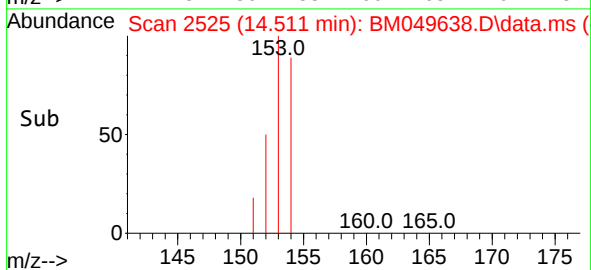
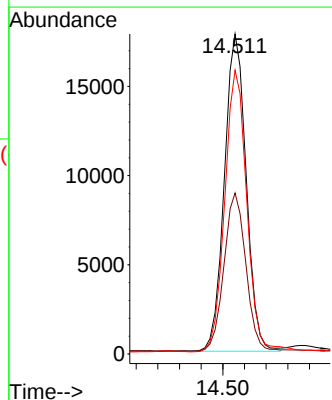
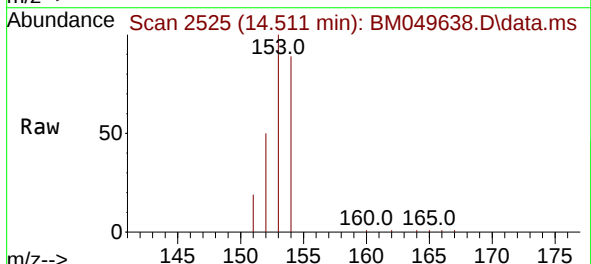
Instrument :
BNA_M
ClientSampleId :
SLCS627

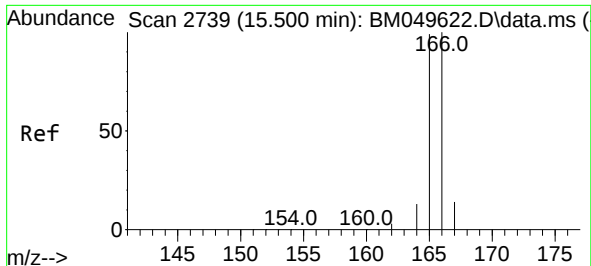
Tgt Ion:152	Resp:	35022
Ion Ratio	Lower	Upper
152	100	
151	19.8	15.8 23.6
153	13.6	10.5 15.7



#11
Acenaphthene
Concen: 0.385 ng/ul
RT: 14.511 min Scan# 2525
Delta R.T. -0.003 min
Lab File: BM049638.D
Acq: 13 Feb 2025 02:55

Tgt Ion:153	Resp:	24810
Ion Ratio	Lower	Upper
153	100	
152	50.3	41.9 62.9
154	88.7	70.2 105.2

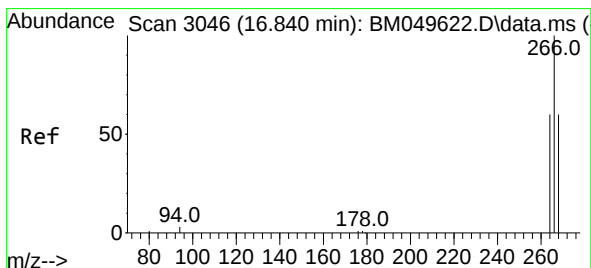
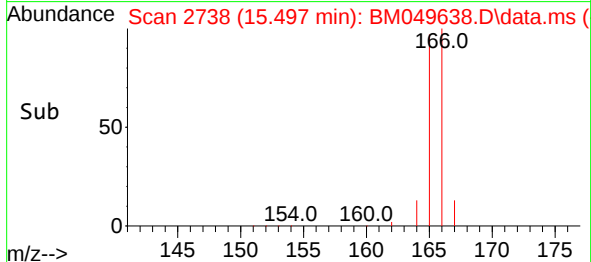
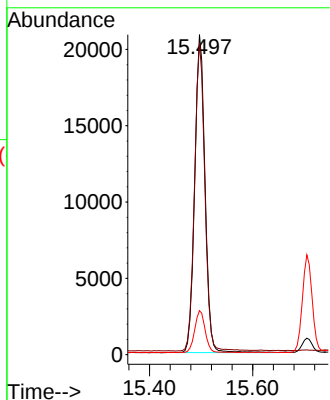
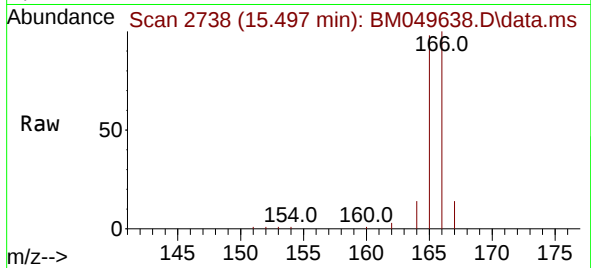




#12
 Fluorene
 Concen: 0.394 ng/ul
 RT: 15.497 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BM049638.D
 Acq: 13 Feb 2025 02:55

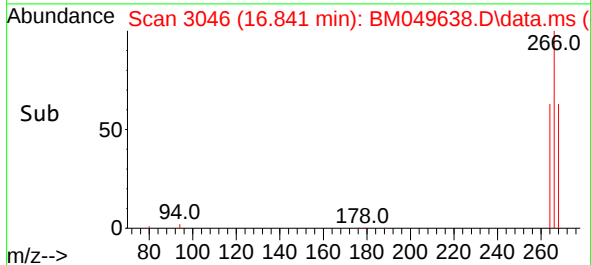
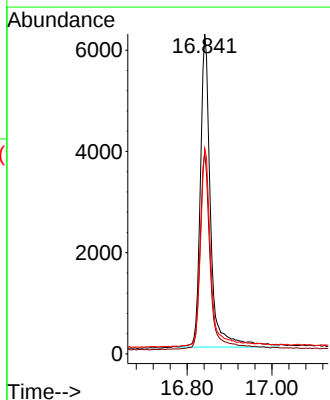
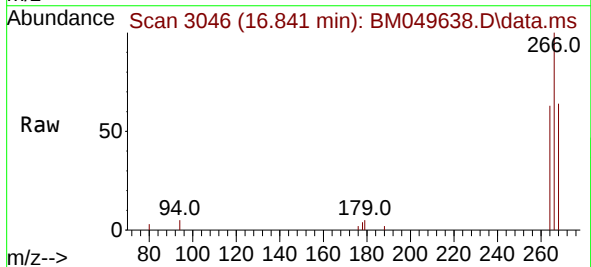
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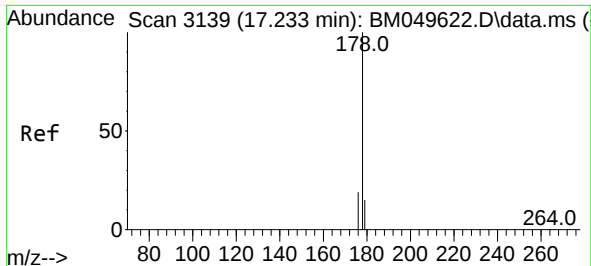
Tgt Ion:166 Resp: 29057
 Ion Ratio Lower Upper
 166 100
 165 97.5 79.6 119.4
 167 13.8 11.4 17.2



#14
 Pentachlorophenol
 Concen: 1.149 ng/ul
 RT: 16.841 min Scan# 3046
 Delta R.T. 0.001 min
 Lab File: BM049638.D
 Acq: 13 Feb 2025 02:55

Tgt Ion:266 Resp: 10339
 Ion Ratio Lower Upper
 266 100
 264 64.2 50.3 75.5
 268 64.7 49.2 73.8

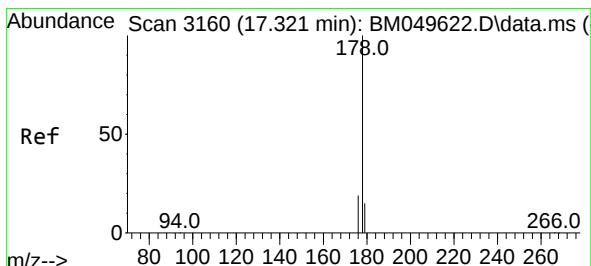
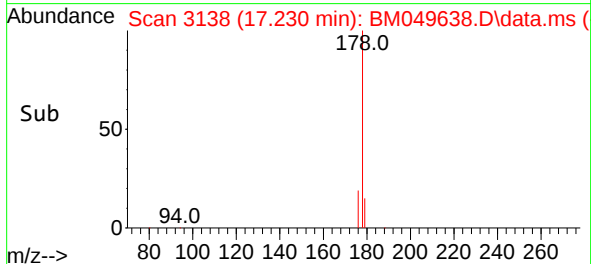
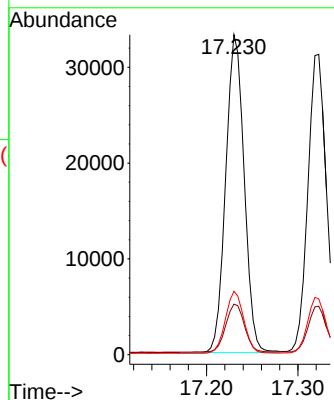
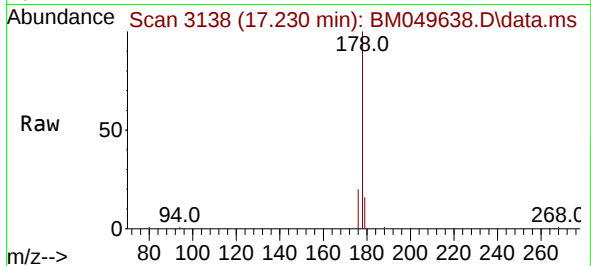




#15
Phenanthrene
Concen: 0.396 ng/u1
RT: 17.230 min Scan# 3139
Delta R.T. -0.003 min
Lab File: BM049638.D
Acq: 13 Feb 2025 02:55

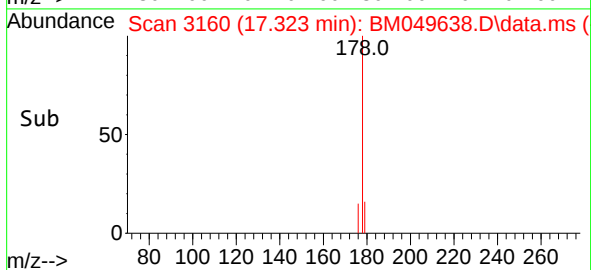
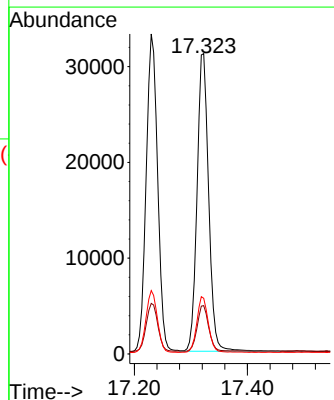
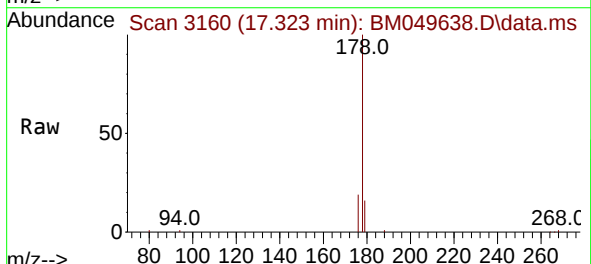
Instrument :
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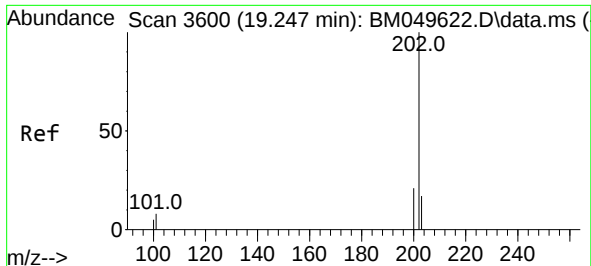
Tgt Ion:178 Resp: 46514
Ion Ratio Lower Upper
178 100
179 15.8 12.6 19.0
176 19.8 16.2 24.2



#16
Anthracene
Concen: 0.413 ng/u1
RT: 17.323 min Scan# 3160
Delta R.T. 0.001 min
Lab File: BM049638.D
Acq: 13 Feb 2025 02:55

Tgt Ion:178 Resp: 44400
Ion Ratio Lower Upper
178 100
179 16.1 12.9 19.3
176 18.5 15.8 23.6

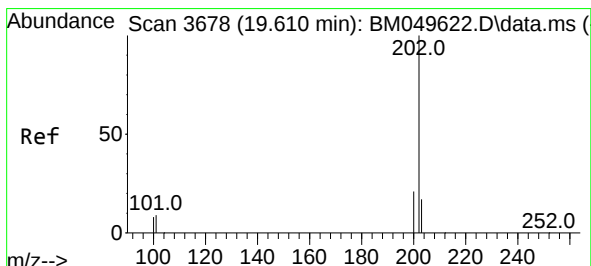
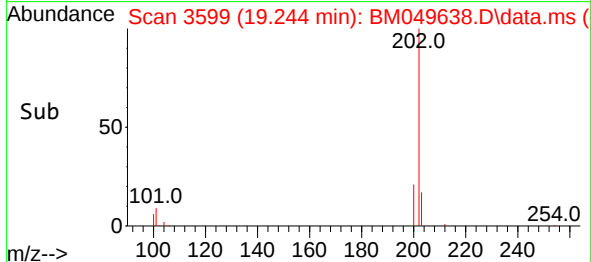
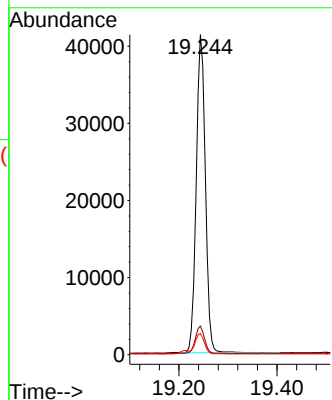
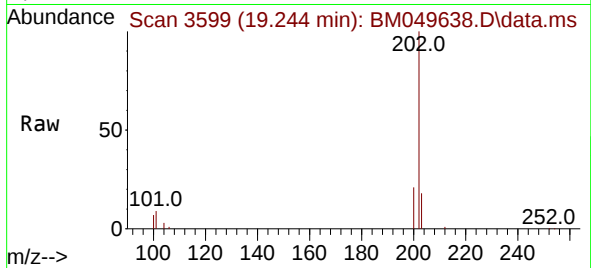




#19
Fluoranthene
Concen: 0.396 ng/ul
RT: 19.244 min Scan# 3599
Delta R.T. -0.003 min
Lab File: BM049638.D
Acq: 13 Feb 2025 02:55

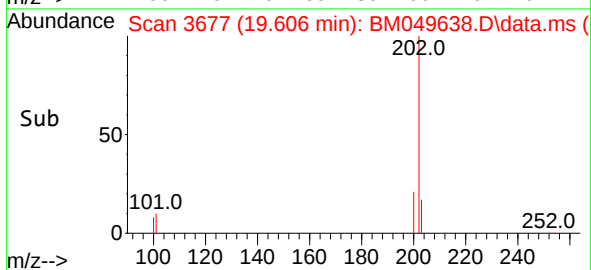
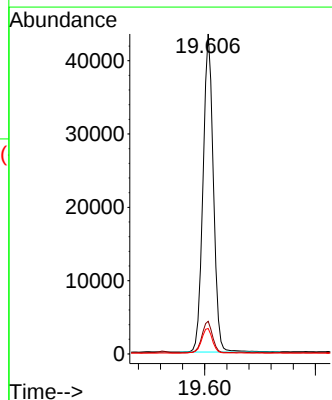
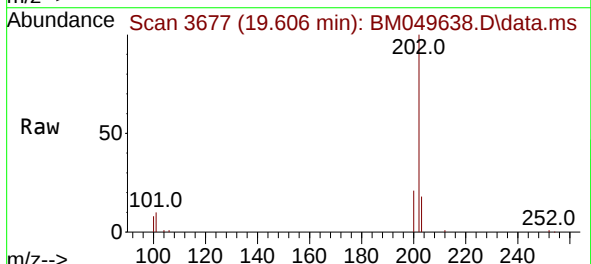
Instrument :
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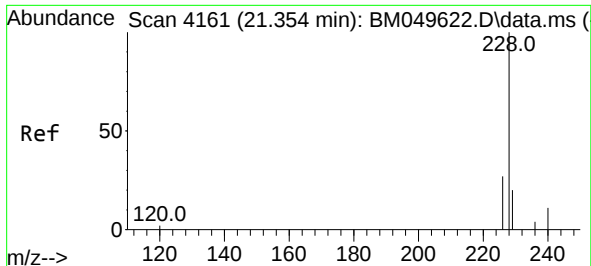
Tgt Ion:202 Resp: 53137
Ion Ratio Lower Upper
202 100
101 8.9 6.7 10.1
100 6.6 5.0 7.4



#20
Pyrene
Concen: 0.408 ng/ul
RT: 19.606 min Scan# 3677
Delta R.T. -0.003 min
Lab File: BM049638.D
Acq: 13 Feb 2025 02:55

Tgt Ion:202 Resp: 56469
Ion Ratio Lower Upper
202 100
101 10.2 7.5 11.3
100 7.9 6.3 9.5

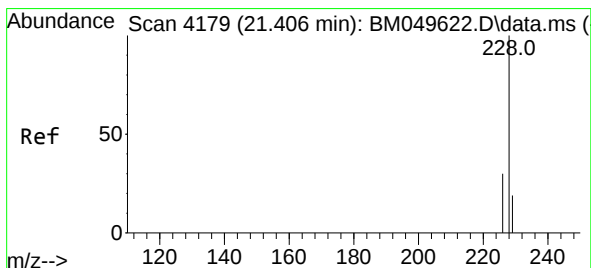
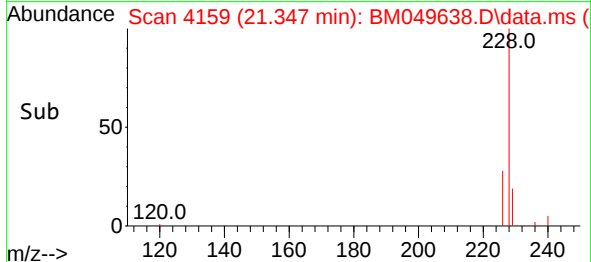
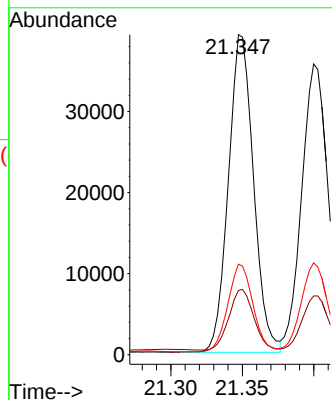
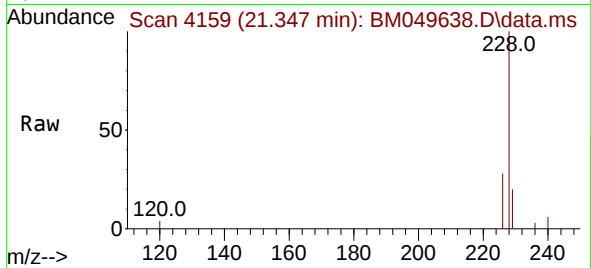




#21
Benzo(a)anthracene
Concen: 0.431 ng/ul
RT: 21.347 min Scan# 4161
Delta R.T. -0.003 min
Lab File: BM049638.D
Acq: 13 Feb 2025 02:55

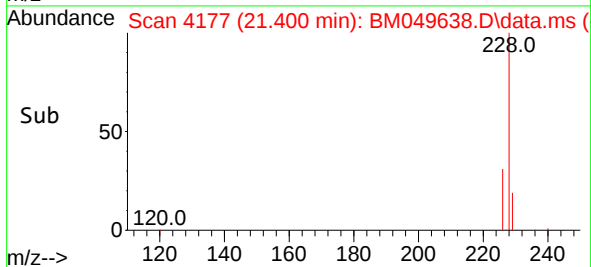
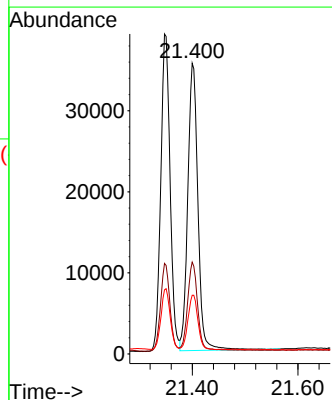
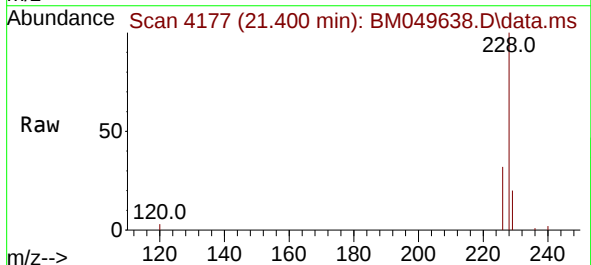
Instrument :
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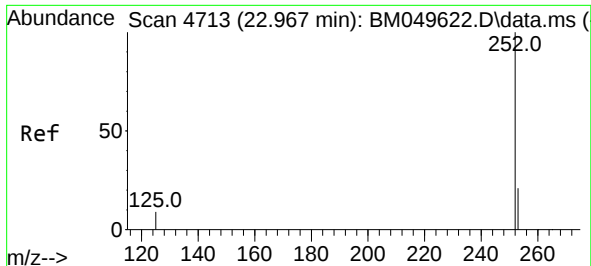
Tgt Ion:228 Resp: 47982
Ion Ratio Lower Upper
228 100
229 20.0 15.7 23.5
226 28.3 22.2 33.4



#22
Chrysene
Concen: 0.398 ng/ul
RT: 21.400 min Scan# 4177
Delta R.T. -0.003 min
Lab File: BM049638.D
Acq: 13 Feb 2025 02:55

Tgt Ion:228 Resp: 47047
Ion Ratio Lower Upper
228 100
226 31.6 24.9 37.3
229 20.2 15.6 23.4

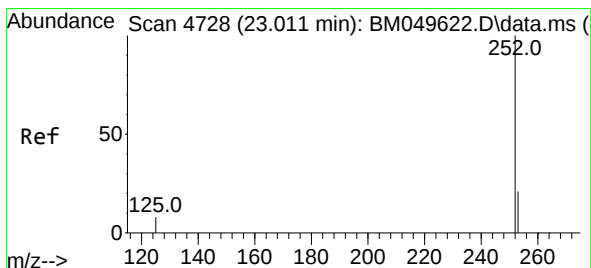
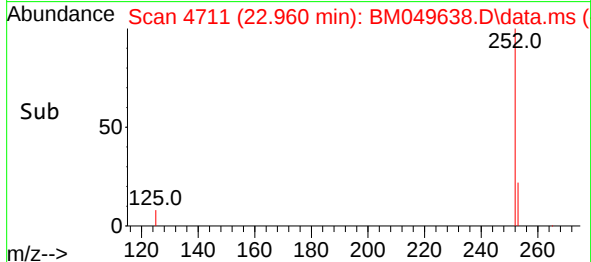
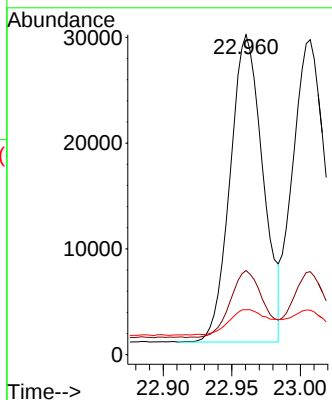
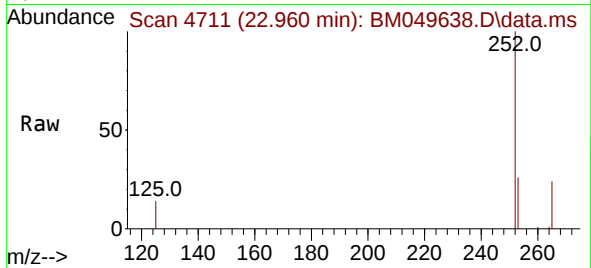




#24
Benzo(b)fluoranthene
Concen: 0.405 ng/ul
RT: 22.960 min Scan# 4711
Delta R.T. -0.006 min
Lab File: BM049638.D
Acq: 13 Feb 2025 02:55

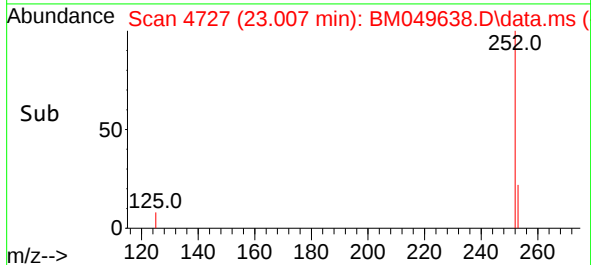
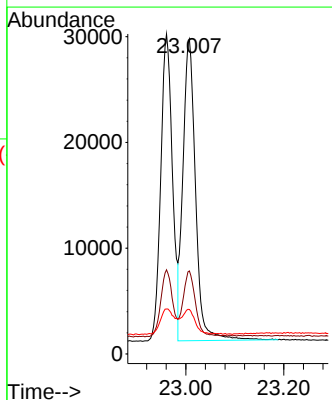
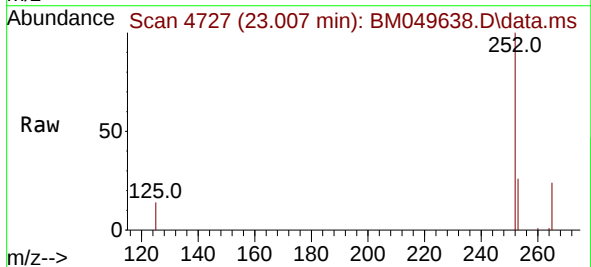
Instrument :
BNA_M
ClientSampleId :
SLCS627

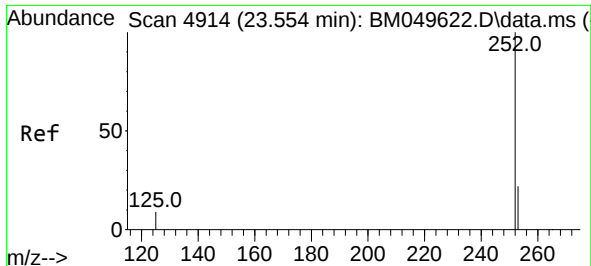
Tgt Ion:252 Resp: 48234
Ion Ratio Lower Upper
252 100
253 26.3 0.0 50.2
125 14.1 0.0 25.6



#25
Benzo(k)fluoranthene
Concen: 0.379 ng/ul
RT: 23.007 min Scan# 4727
Delta R.T. -0.003 min
Lab File: BM049638.D
Acq: 13 Feb 2025 02:55

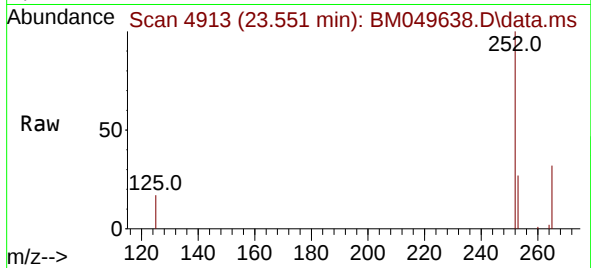
Tgt Ion:252 Resp: 50719
Ion Ratio Lower Upper
252 100
253 26.4 20.2 30.4
125 14.1 10.4 15.6



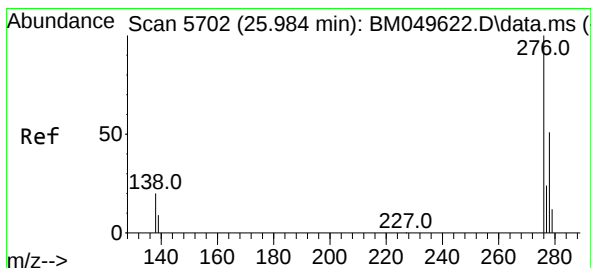
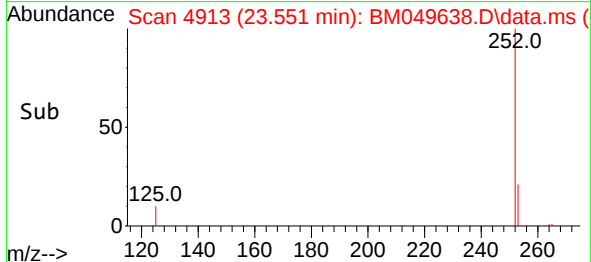
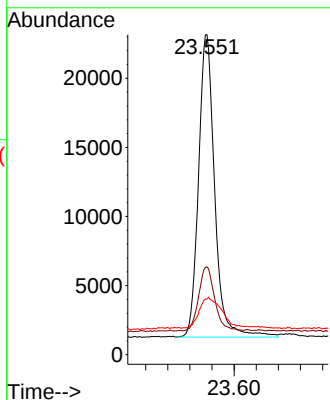


#26
Benzo(a)pyrene
Concen: 0.413 ng/ul
RT: 23.551 min Scan# 4914
Delta R.T. -0.003 min
Lab File: BM049638.D
Acq: 13 Feb 2025 02:55

Instrument :
BNA_M
ClientSampleId :
SLCS627

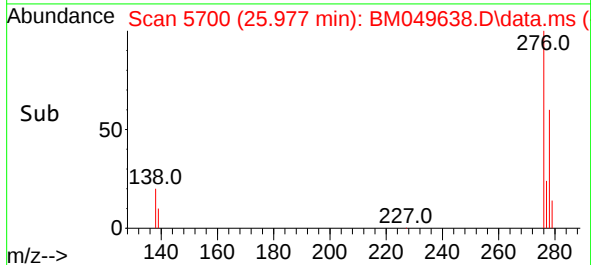
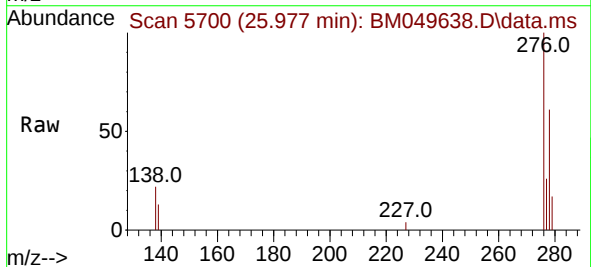
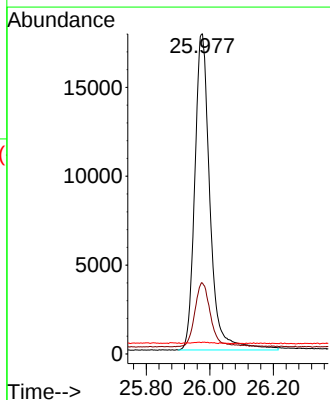


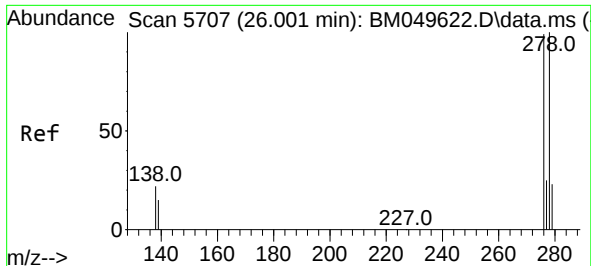
Tgt Ion:252 Resp: 44351
Ion Ratio Lower Upper
252 100
253 27.4 21.6 32.4
125 17.3 12.6 18.8



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.388 ng/ul
RT: 25.977 min Scan# 5700
Delta R.T. -0.007 min
Lab File: BM049638.D
Acq: 13 Feb 2025 02:55

Tgt Ion:276 Resp: 59106
Ion Ratio Lower Upper
276 100
138 21.2 16.5 24.7
227 0.1 0.1 0.1

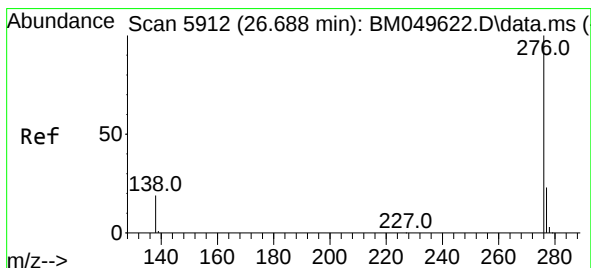
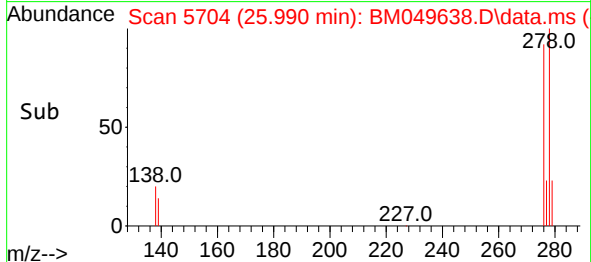
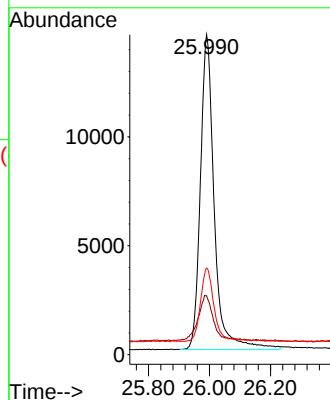
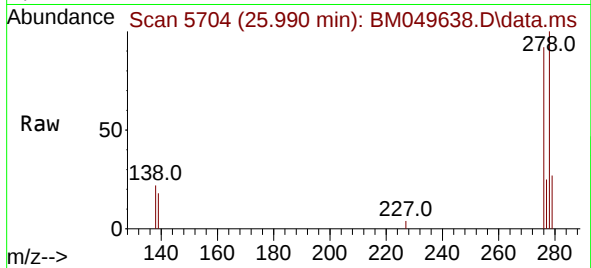




#28
Dibenzo(a,h)anthracene
Concen: 0.395 ng/ul
RT: 25.990 min Scan# 51
Delta R.T. -0.011 min
Lab File: BM049638.D
Acq: 13 Feb 2025 02:55

Instrument :
BNA_M
ClientSampleId :
SLCS627

Tgt Ion:278 Resp: 45692
Ion Ratio Lower Upper
278 100
139 18.5 13.4 20.0
279 27.0 21.5 32.3



#29
Benzo(g,h,i)perylene
Concen: 0.378 ng/ul
RT: 26.684 min Scan# 5911
Delta R.T. -0.007 min
Lab File: BM049638.D
Acq: 13 Feb 2025 02:55

Tgt Ion:276 Resp: 46232
Ion Ratio Lower Upper
276 100
138 20.7 15.8 23.6
277 26.1 19.9 29.9

