

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021225\
 Data File : BM049640.D
 Acq On : 13 Feb 2025 04:07
 Operator : RC/JU
 Sample : PB166623BS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS623

Quant Time: Feb 17 12:08:06 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)

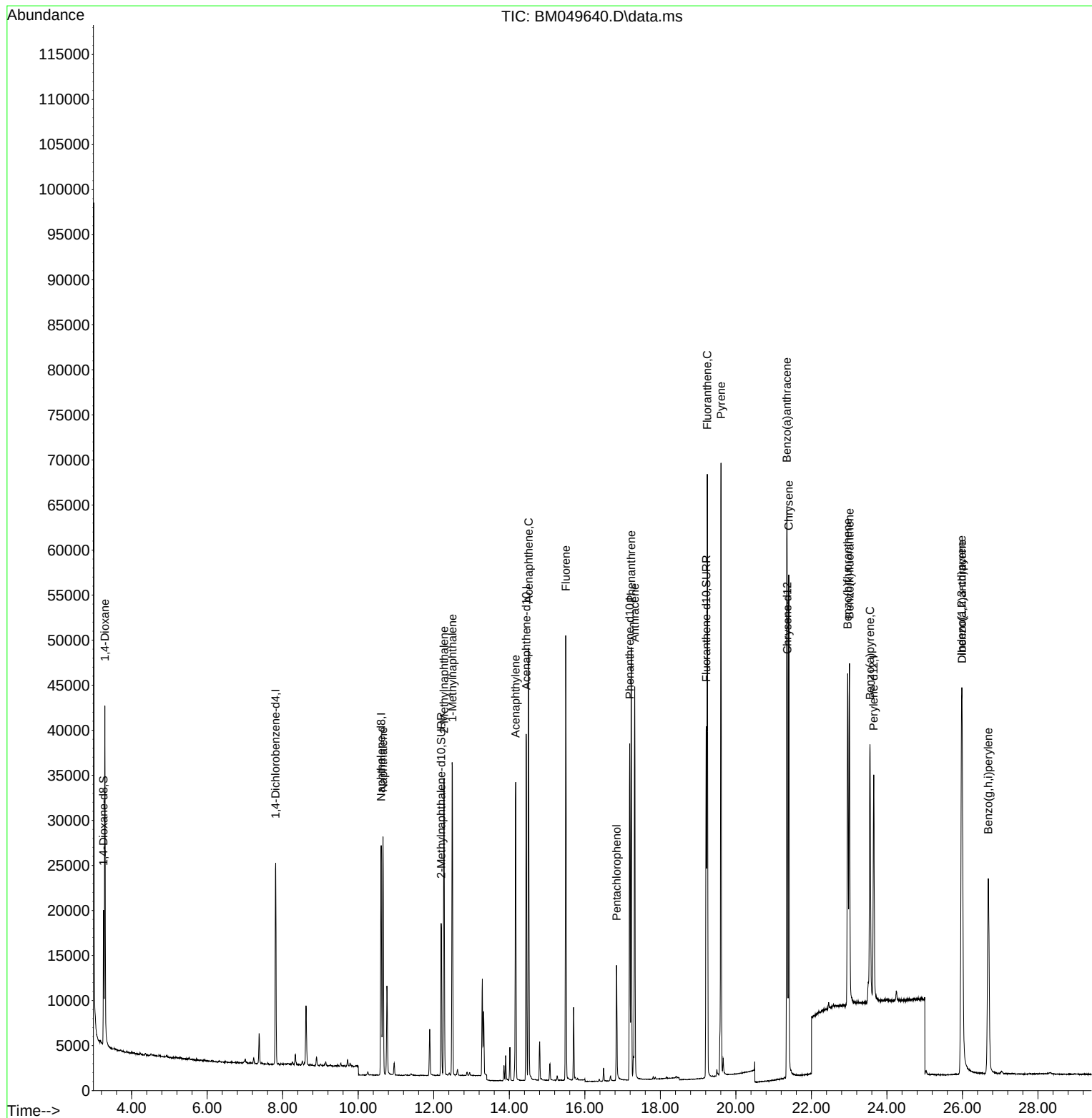
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.813	152	11220	0.400	ng/ul	0.00
4) Naphthalene-d8	10.607	136	34041	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.447	164	20976	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.188	188	43821	0.400	ng/ul	0.00
17) Chrysene-d12	21.365	240	31096	0.400	ng/ul	0.00
23) Perylene-d12	23.650	264	34040	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.257	96	8816	0.698	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.196	152	21960	0.469	ng/ul	0.00
18) Fluoranthene-d10	19.216	212	45308	0.478	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.290	88	23560	1.727	ng/ul#	84
5) Naphthalene	10.656	128	34869	0.413	ng/ul	99
7) 2-Methylnaphthalene	12.273	142	23584	0.429	ng/ul	98
8) 1-Methylnaphthalene	12.493	142	24185	0.434	ng/ul	99
10) Acenaphthylene	14.169	152	36510	0.410	ng/ul	99
11) Acenaphthene	14.511	153	25949	0.400	ng/ul	99
12) Fluorene	15.497	166	30415	0.410	ng/ul	98
14) Pentachlorophenol	16.842	266	9028	1.005	ng/ul	98
15) Phenanthrene	17.230	178	49045	0.419	ng/ul	99
16) Anthracene	17.323	178	46029	0.429	ng/ul	99
19) Fluoranthene	19.244	202	55386	0.431	ng/ul	99
20) Pyrene	19.606	202	57921	0.437	ng/ul	99
21) Benzo(a)anthracene	21.350	228	47874	0.450	ng/ul	99
22) Chrysene	21.400	228	48262	0.427	ng/ul	100
24) Benzo(b)fluoranthene	22.960	252	48467	0.427	ng/ul	99
25) Benzo(k)fluoranthene	23.007	252	51195	0.401	ng/ul	98
26) Benzo(a)pyrene	23.551	252	44619	0.436	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.977	276	61655	0.425	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.990	278	47372	0.430	ng/ul	98
29) Benzo(g,h,i)perylene	26.684	276	48837	0.419	ng/ul	99

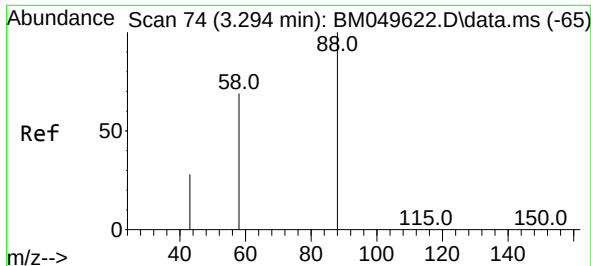
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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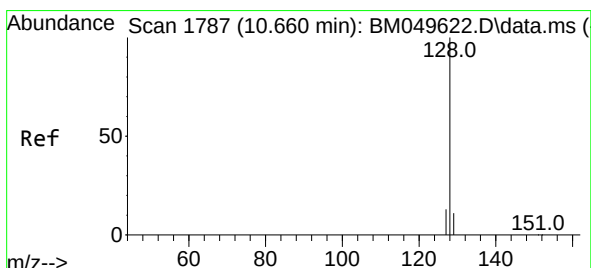
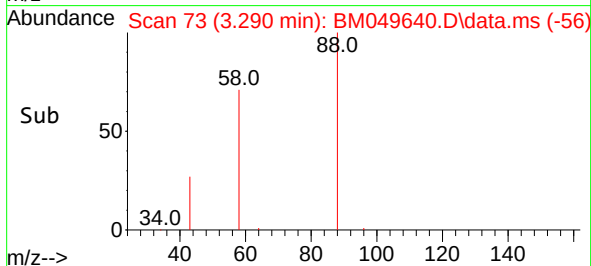
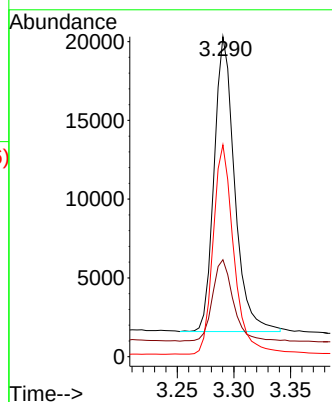
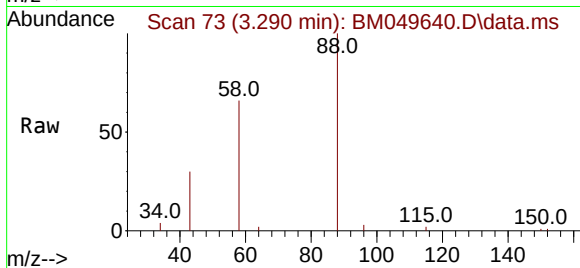




#2
1,4-Dioxane
Concen: 1.727 ng/ul
RT: 3.290 min Scan# 74
Delta R.T. -0.000 min
Lab File: BM049640.D
Acq: 13 Feb 2025 04:07

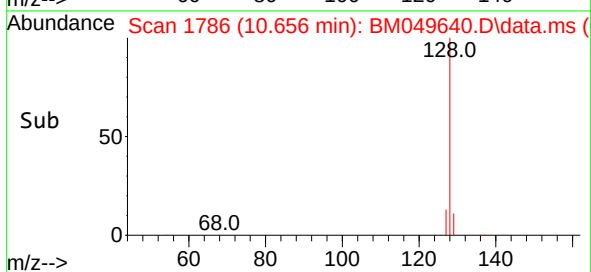
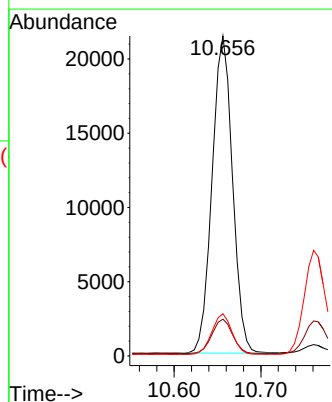
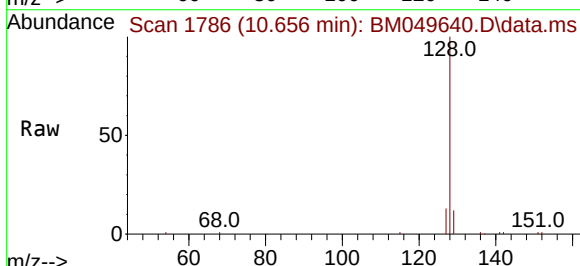
Instrument :
BNA_M
ClientSampleId :
SLCS623

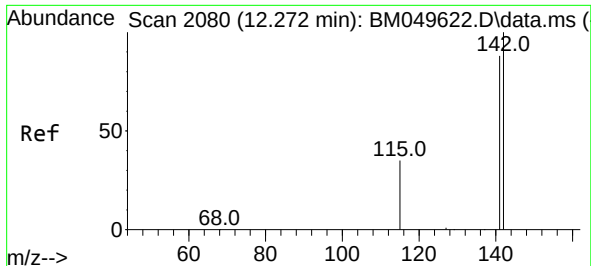
Tgt Ion: 88 Resp: 23560
Ion Ratio Lower Upper
88 100
43 30.3 31.9 47.9#
58 66.2 43.7 65.5#



#5
Naphthalene
Concen: 0.413 ng/ul
RT: 10.656 min Scan# 1786
Delta R.T. 0.001 min
Lab File: BM049640.D
Acq: 13 Feb 2025 04:07

Tgt Ion: 128 Resp: 34869
Ion Ratio Lower Upper
128 100
129 11.5 9.4 14.0
127 13.2 10.8 16.2

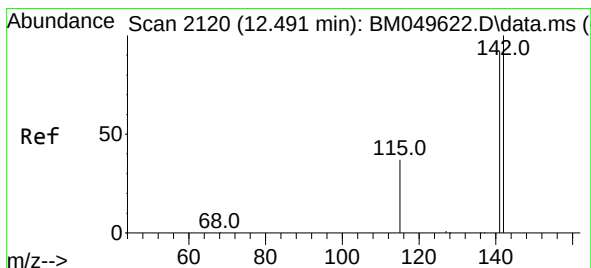
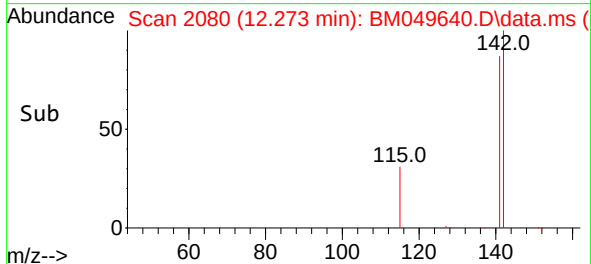
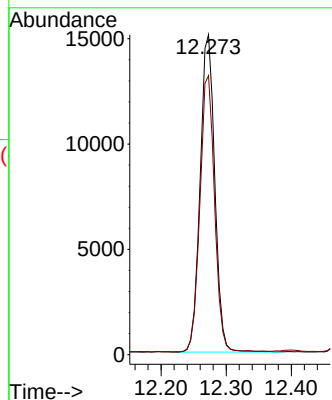
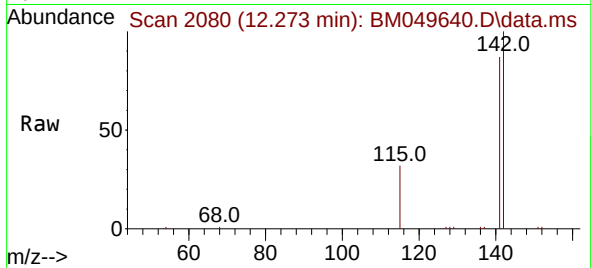




#7
2-Methylnaphthalene
Concen: 0.429 ng/ul
RT: 12.273 min Scan# 2080
Delta R.T. -0.004 min
Lab File: BM049640.D
Acq: 13 Feb 2025 04:07

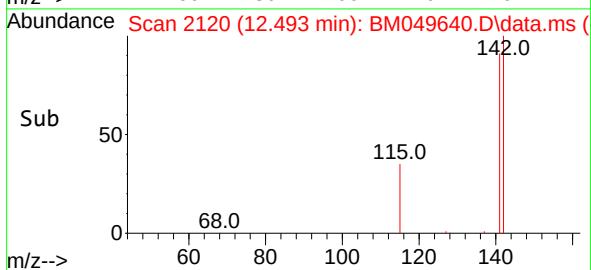
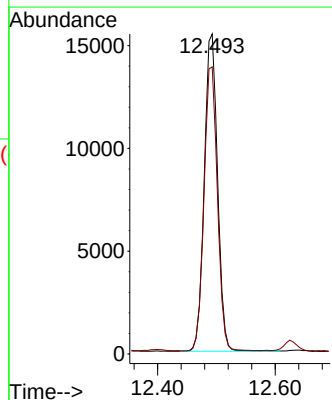
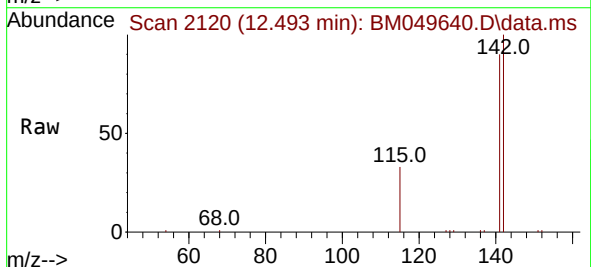
Instrument :
BNA_M
ClientSampleId :
SLCS623

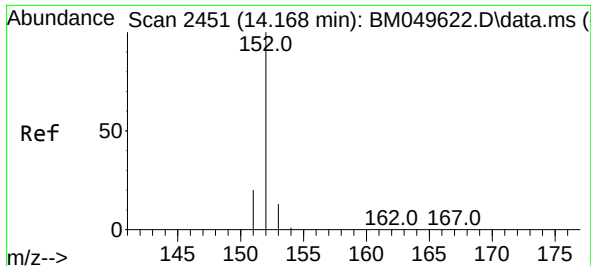
Tgt Ion:142 Resp: 23584
Ion Ratio Lower Upper
142 100
141 87.2 71.0 106.6



#8
1-Methylnaphthalene
Concen: 0.434 ng/ul
RT: 12.493 min Scan# 2120
Delta R.T. 0.001 min
Lab File: BM049640.D
Acq: 13 Feb 2025 04:07

Tgt Ion:142 Resp: 24185
Ion Ratio Lower Upper
142 100
141 90.4 73.1 109.7

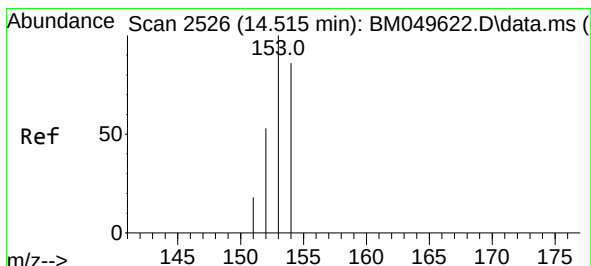
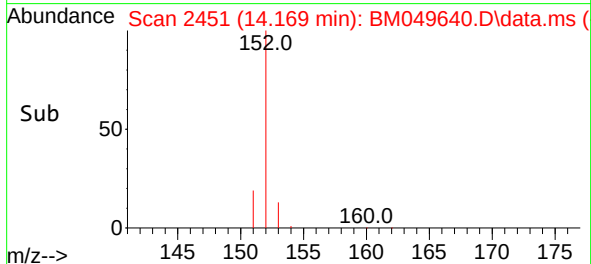
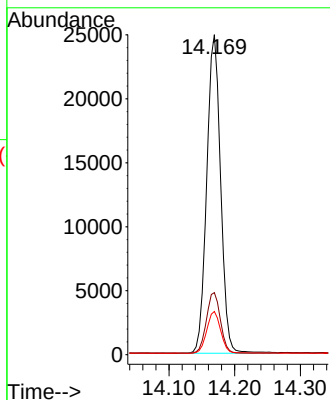
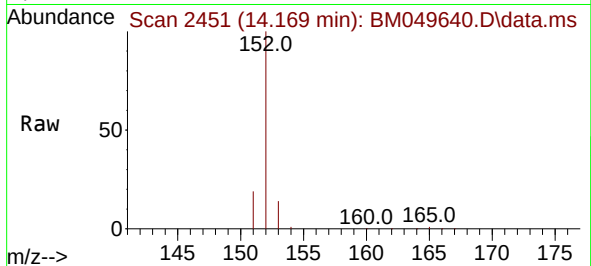




#10
Acenaphthylene
Concen: 0.410 ng/ul
RT: 14.169 min Scan# 2451
Delta R.T. -0.003 min
Lab File: BM049640.D
Acq: 13 Feb 2025 04:07

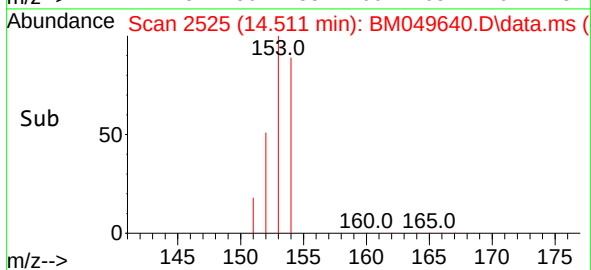
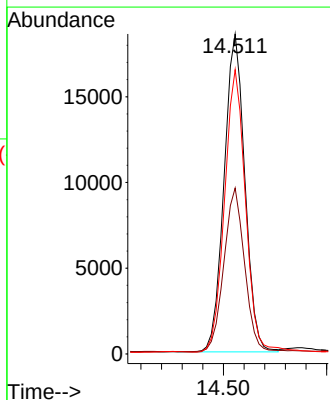
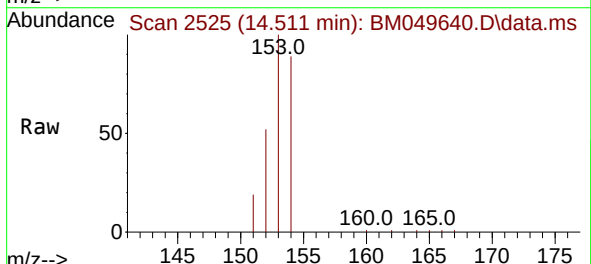
Instrument :
BNA_M
ClientSampleId :
SLCS623

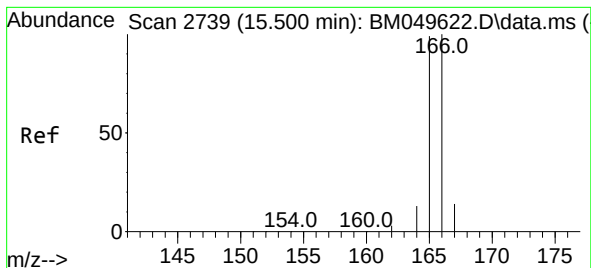
Tgt Ion:152 Resp: 36510
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.6
153 13.5 10.5 15.7



#11
Acenaphthene
Concen: 0.400 ng/ul
RT: 14.511 min Scan# 2525
Delta R.T. -0.003 min
Lab File: BM049640.D
Acq: 13 Feb 2025 04:07

Tgt Ion:153 Resp: 25949
Ion Ratio Lower Upper
153 100
152 51.9 41.9 62.9
154 88.9 70.2 105.2





#12

Fluorene

Concen: 0.410 ng/ul

RT: 15.497 min Scan# 21

Delta R.T. -0.003 min

Lab File: BM049640.D

Acq: 13 Feb 2025 04:07

Instrument :

BNA_M

ClientSampleId :

SLCS623

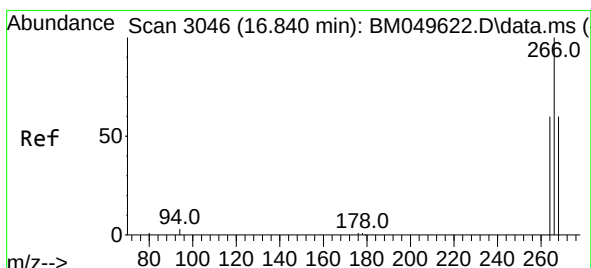
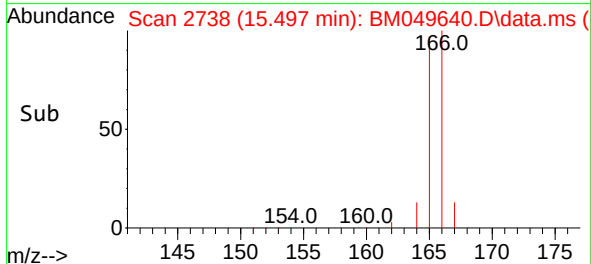
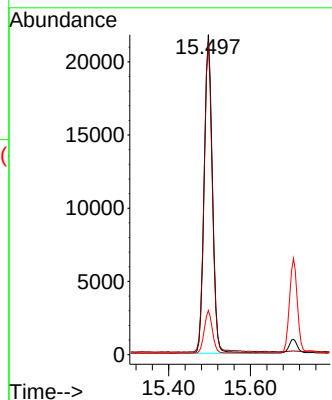
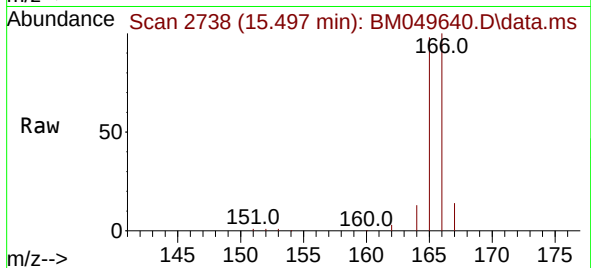
Tgt Ion:166 Resp: 30415

Ion Ratio Lower Upper

166 100

165 97.7 79.6 119.4

167 13.8 11.4 17.2



#14

Pentachlorophenol

Concen: 1.005 ng/ul

RT: 16.842 min Scan# 3046

Delta R.T. 0.001 min

Lab File: BM049640.D

Acq: 13 Feb 2025 04:07

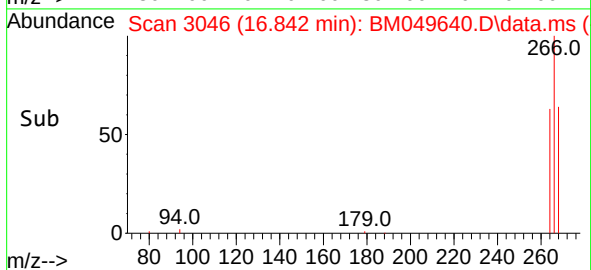
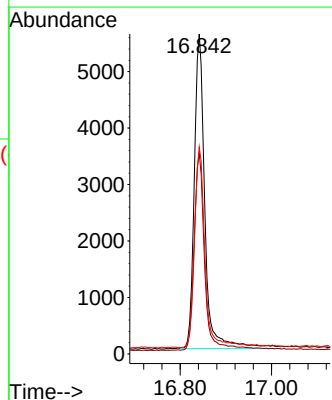
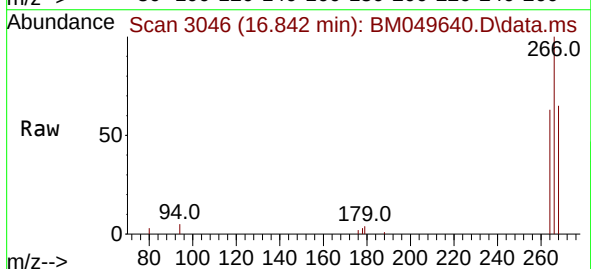
Tgt Ion:266 Resp: 9028

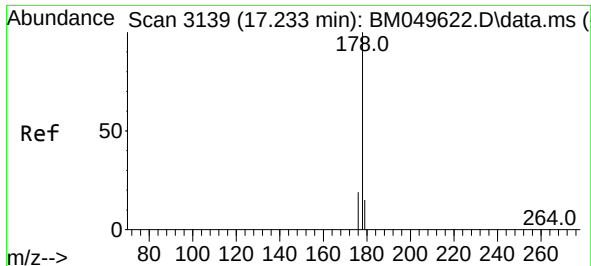
Ion Ratio Lower Upper

266 100

264 63.7 50.3 75.5

268 64.4 49.2 73.8

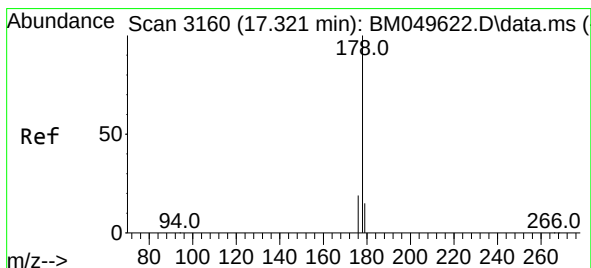
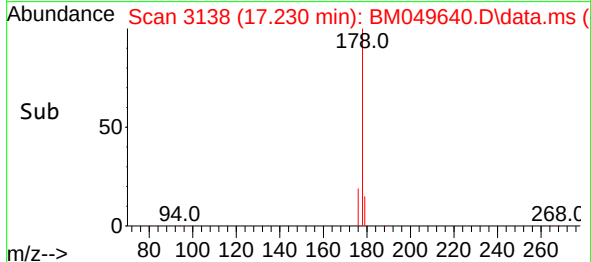
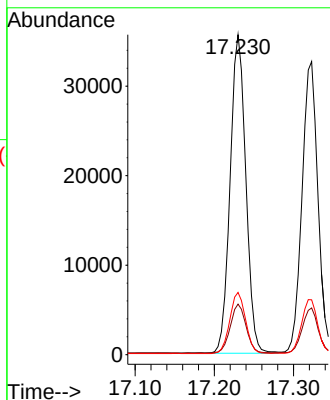
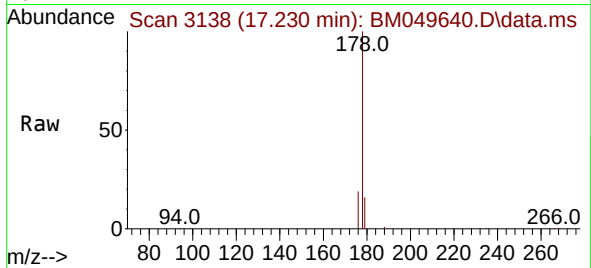




#15
 Phenanthrene
 Concen: 0.419 ng/u1
 RT: 17.230 min Scan# 3139
 Delta R.T. -0.003 min
 Lab File: BM049640.D
 Acq: 13 Feb 2025 04:07

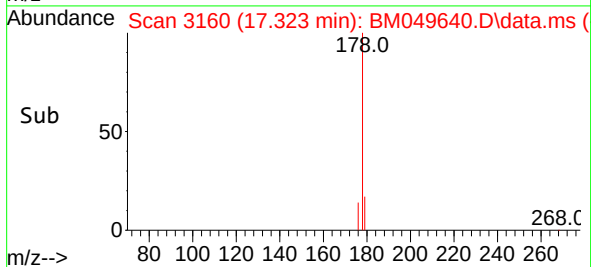
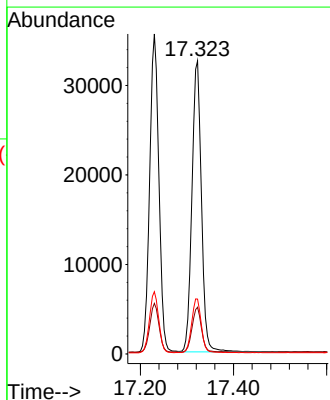
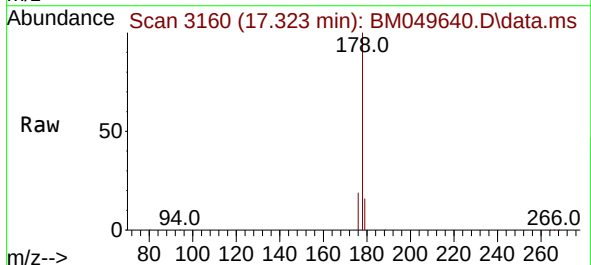
Instrument :
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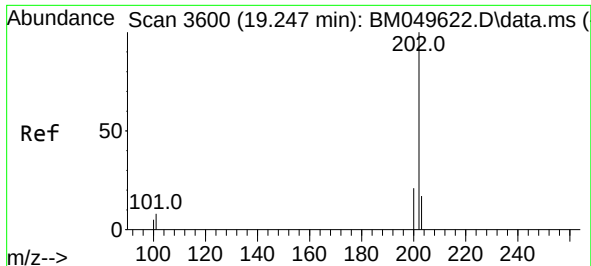
Tgt Ion:178 Resp: 49045
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.6 19.0
 176 19.5 16.2 24.2



#16
 Anthracene
 Concen: 0.429 ng/u1
 RT: 17.323 min Scan# 3160
 Delta R.T. 0.001 min
 Lab File: BM049640.D
 Acq: 13 Feb 2025 04:07

Tgt Ion:178 Resp: 46029
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.9 19.3
 176 18.7 15.8 23.6

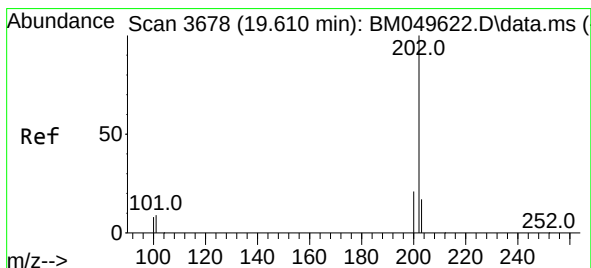
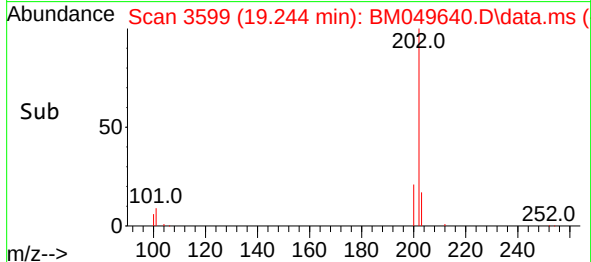
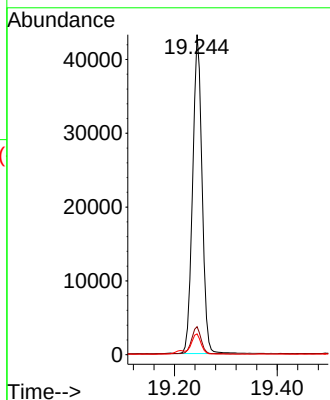
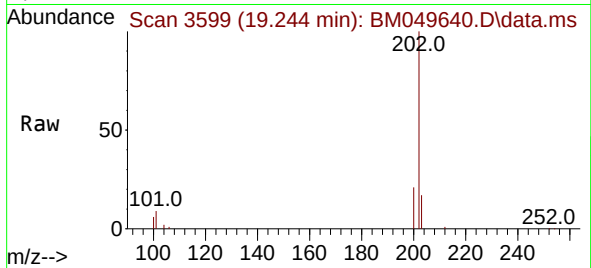




#19
Fluoranthene
Concen: 0.431 ng/ul
RT: 19.244 min Scan# 3599
Delta R.T. -0.003 min
Lab File: BM049640.D
Acq: 13 Feb 2025 04:07

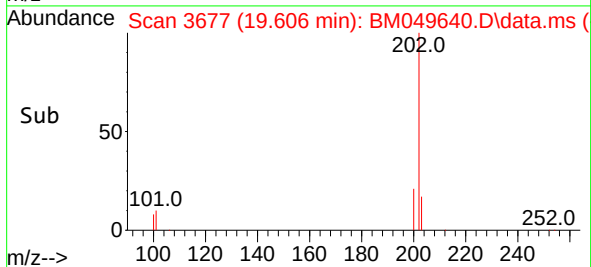
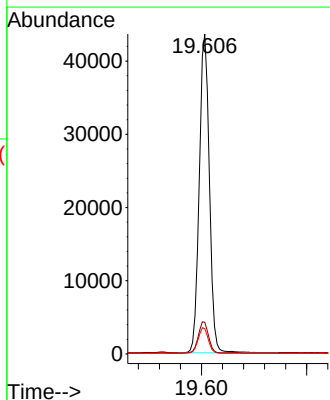
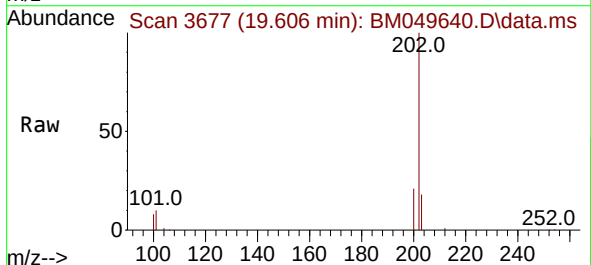
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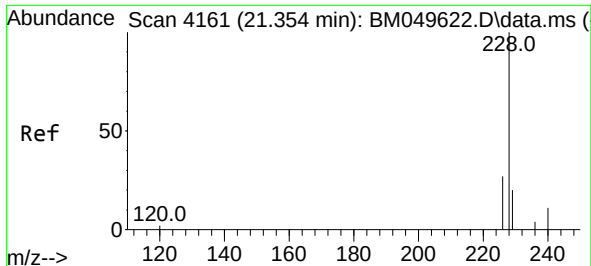
Tgt Ion:202 Resp: 55386
Ion Ratio Lower Upper
202 100
101 8.8 6.7 10.1
100 6.5 5.0 7.4



#20
Pyrene
Concen: 0.437 ng/ul
RT: 19.606 min Scan# 3677
Delta R.T. -0.003 min
Lab File: BM049640.D
Acq: 13 Feb 2025 04:07

Tgt Ion:202 Resp: 57921
Ion Ratio Lower Upper
202 100
101 9.9 7.5 11.3
100 7.9 6.3 9.5

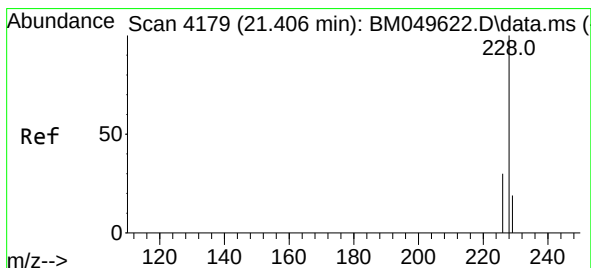
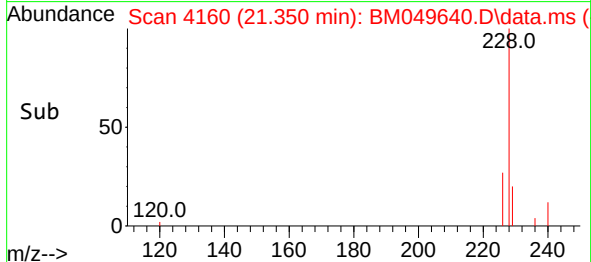
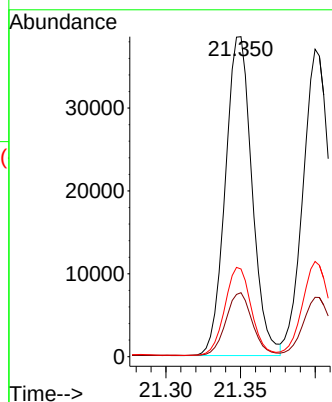
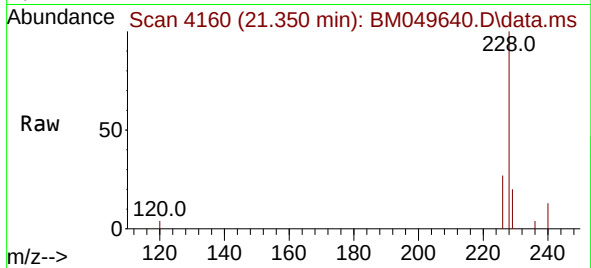




#21
Benzo(a)anthracene
Concen: 0.450 ng/ul
RT: 21.350 min Scan# 4161
Delta R.T. -0.000 min
Lab File: BM049640.D
Acq: 13 Feb 2025 04:07

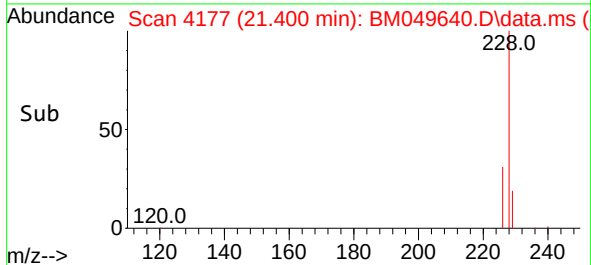
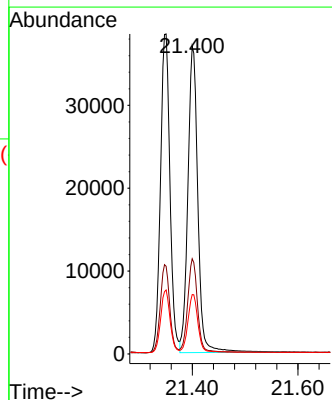
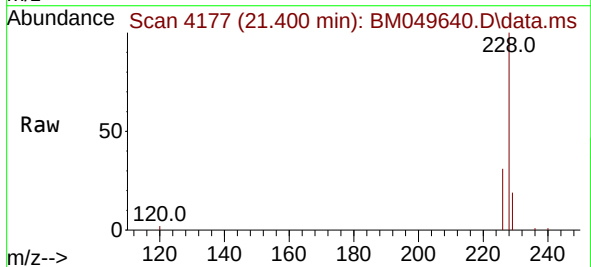
Instrument :
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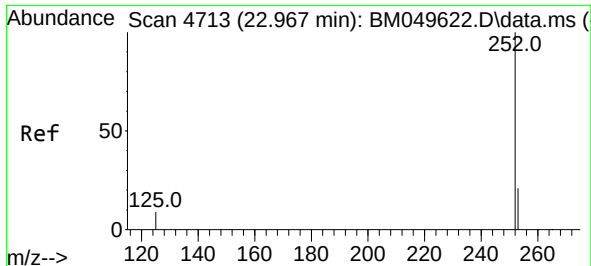
Tgt Ion:228 Resp: 47874
Ion Ratio Lower Upper
228 100
229 20.0 15.7 23.5
226 27.4 22.2 33.4



#22
Chrysene
Concen: 0.427 ng/ul
RT: 21.400 min Scan# 4177
Delta R.T. -0.003 min
Lab File: BM049640.D
Acq: 13 Feb 2025 04:07

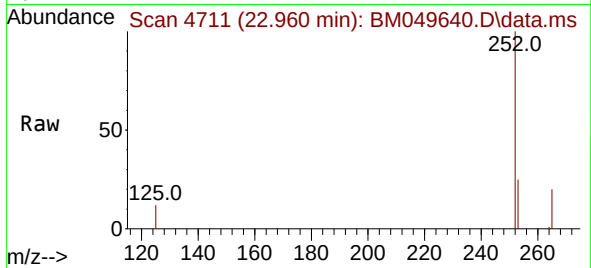
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Ion Ratio Lower Upper
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226 31.0 24.9 37.3
229 19.3 15.6 23.4



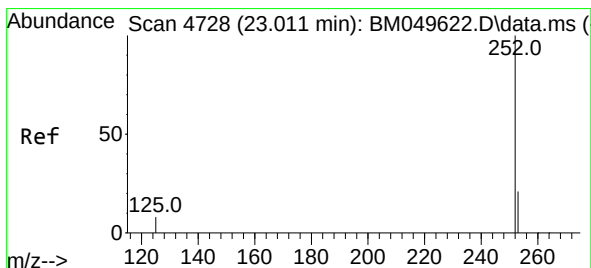
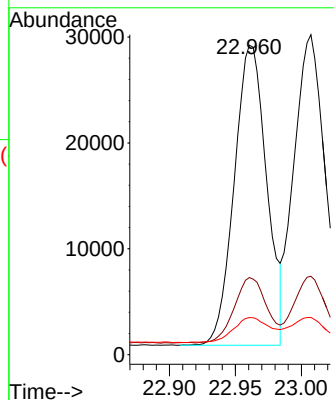


#24
Benzo(b)fluoranthene
Concen: 0.427 ng/ul
RT: 22.960 min Scan# 4711
Delta R.T. -0.006 min
Lab File: BM049640.D
Acq: 13 Feb 2025 04:07

Instrument :
BNA_M
ClientSampleId :
SLCS623

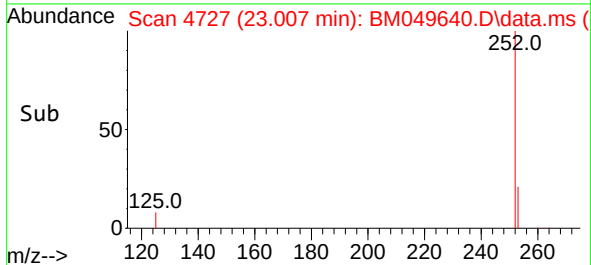
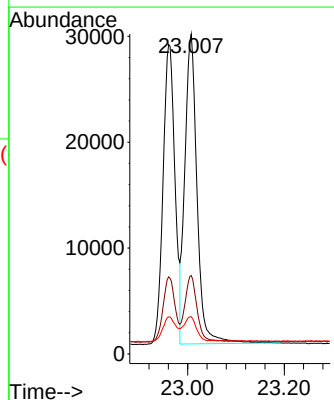
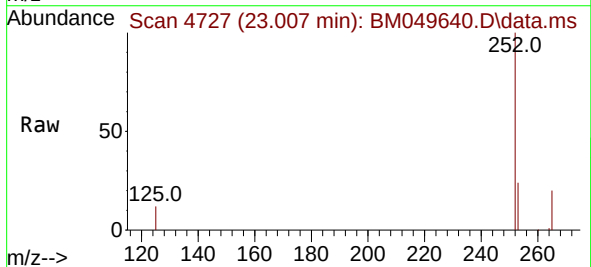


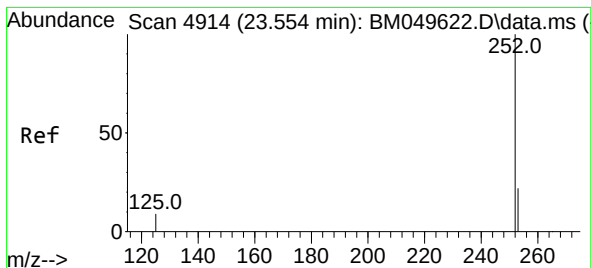
Tgt Ion:252 Resp: 48467
Ion Ratio Lower Upper
252 100
253 24.9 0.0 50.2
125 12.0 0.0 25.6



#25
Benzo(k)fluoranthene
Concen: 0.401 ng/ul
RT: 23.007 min Scan# 4727
Delta R.T. -0.003 min
Lab File: BM049640.D
Acq: 13 Feb 2025 04:07

Tgt Ion:252 Resp: 51195
Ion Ratio Lower Upper
252 100
253 24.5 20.2 30.4
125 11.6 10.4 15.6





#26

Benzo(a)pyrene

Concen: 0.436 ng/ul

RT: 23.551 min Scan# 4914

Delta R.T. -0.003 min

Lab File: BM049640.D

Acq: 13 Feb 2025 04:07

Instrument :

BNA_M

ClientSampleId :

SLCS623

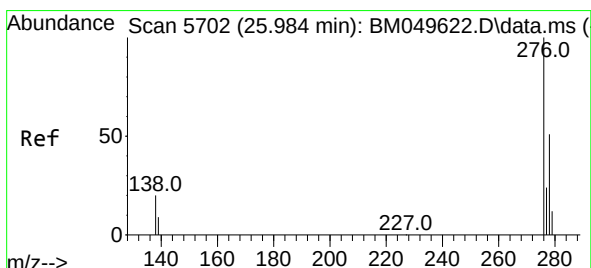
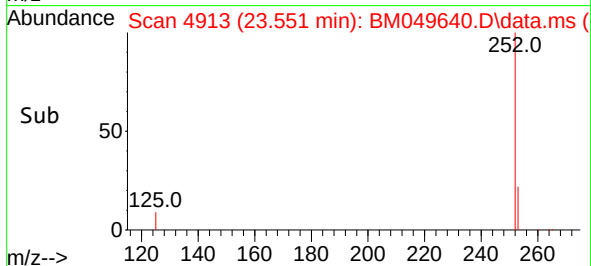
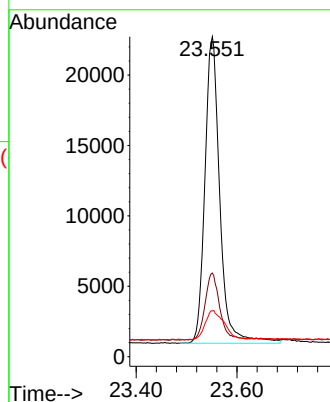
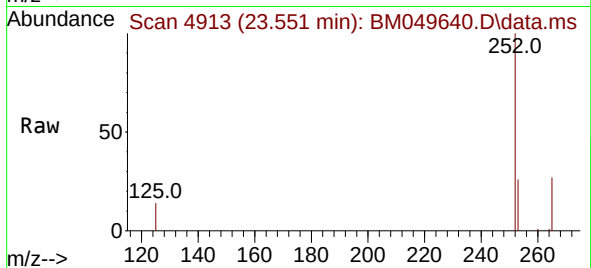
Tgt Ion:252 Resp: 44619

Ion Ratio Lower Upper

252 100

253 26.1 21.6 32.4

125 14.3 12.6 18.8



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.425 ng/ul

RT: 25.977 min Scan# 5700

Delta R.T. -0.007 min

Lab File: BM049640.D

Acq: 13 Feb 2025 04:07

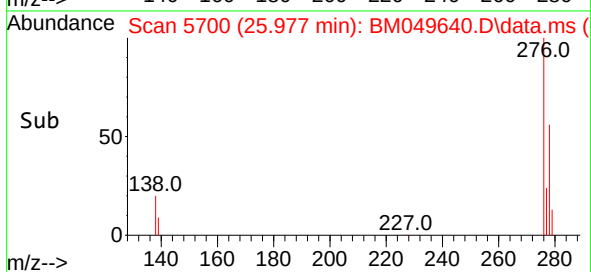
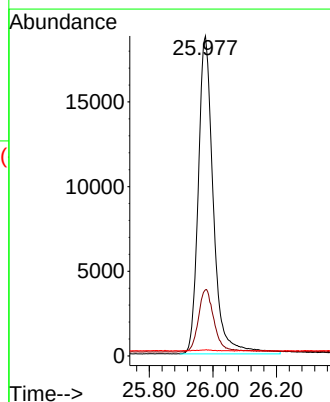
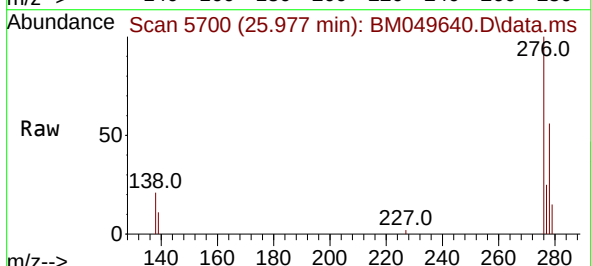
Tgt Ion:276 Resp: 61655

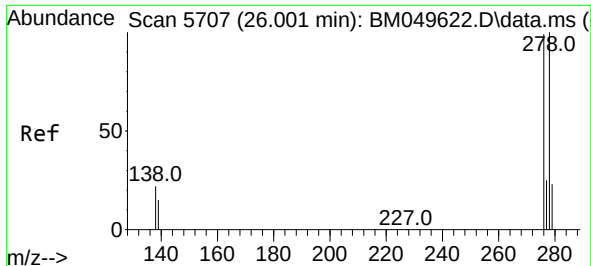
Ion Ratio Lower Upper

276 100

138 20.9 16.5 24.7

227 0.2 0.1 0.1#

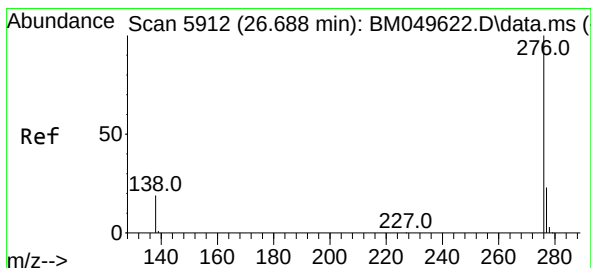
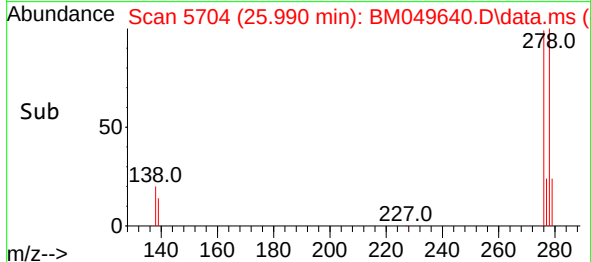
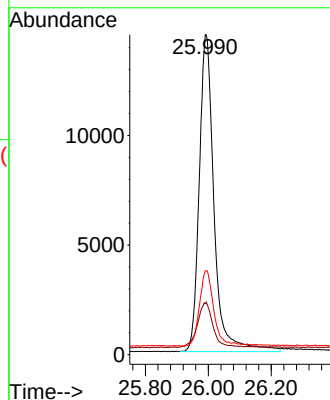
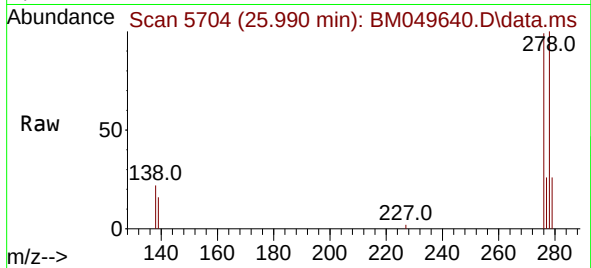




#28
Dibenzo(a,h)anthracene
Concen: 0.430 ng/ul
RT: 25.990 min Scan# 51
Delta R.T. -0.011 min
Lab File: BM049640.D
Acq: 13 Feb 2025 04:07

Instrument :
BNA_M
ClientSampleId :
SLCS623

Tgt Ion:278 Resp: 47372
Ion Ratio Lower Upper
278 100
139 15.9 13.4 20.0
279 26.2 21.5 32.3



#29
Benzo(g,h,i)perylene
Concen: 0.419 ng/ul
RT: 26.684 min Scan# 5911
Delta R.T. -0.007 min
Lab File: BM049640.D
Acq: 13 Feb 2025 04:07

Tgt Ion:276 Resp: 48837
Ion Ratio Lower Upper
276 100
138 19.3 15.8 23.6
277 24.6 19.9 29.9

