

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021725\
 Data File : BM049668.D
 Acq On : 17 Feb 2025 16:55
 Operator : RC/JU
 Sample : PB166627BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS627

Quant Time: Feb 19 10:18:08 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)

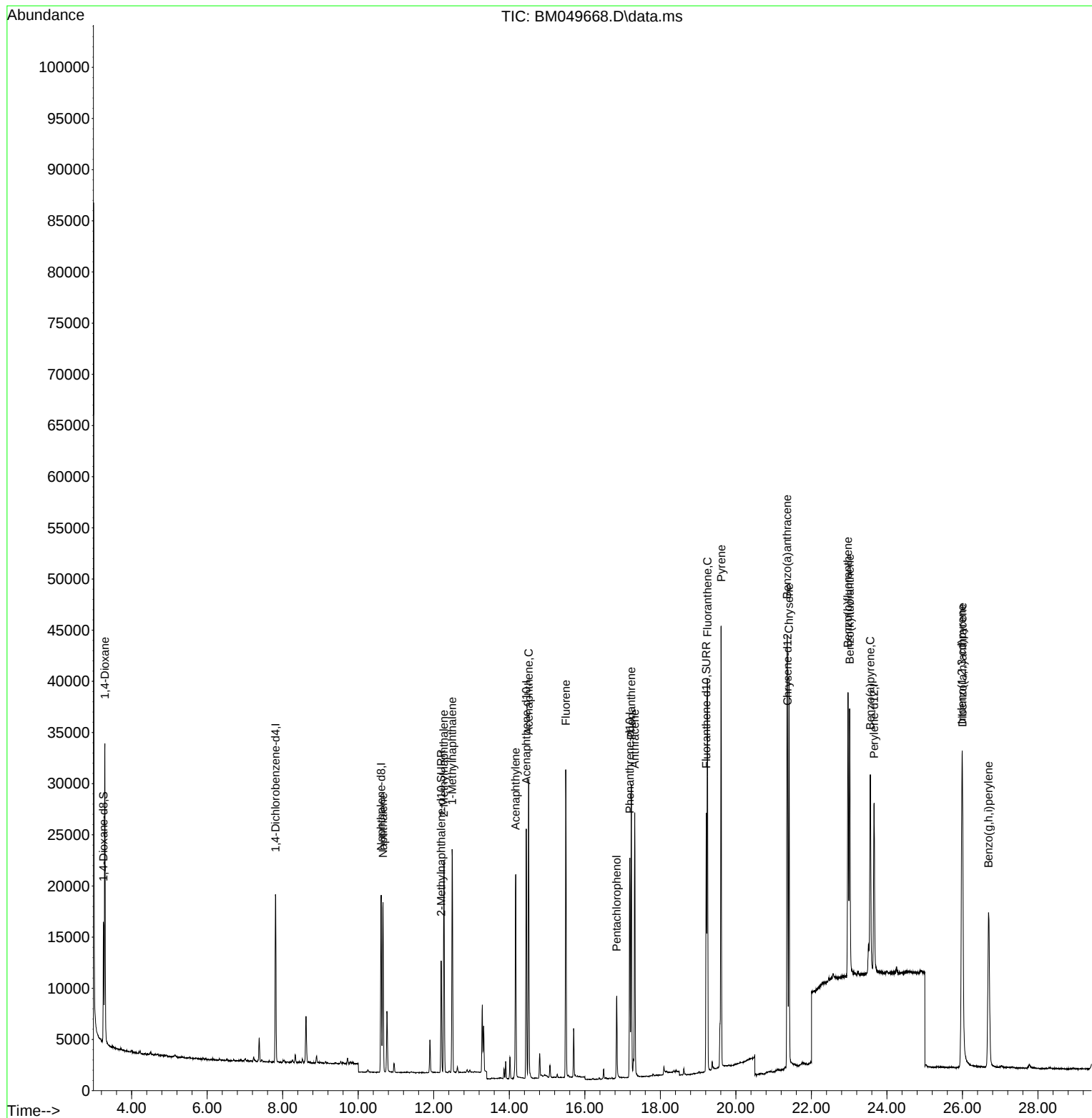
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.813	152	8330	0.400	ng/ul	0.00
4) Naphthalene-d8	10.606	136	22763	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.451	164	13339	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.192	188	26137	0.400	ng/ul	0.00
17) Chrysene-d12	21.371	240	21649	0.400	ng/ul	0.00
23) Perylene-d12	23.659	264	22753	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.256	96	6788	0.724	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.196	152	13802	0.441	ng/ul	0.00
18) Fluoranthene-d10	19.216	212	27834	0.422	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.290	88	18493	1.825	ng/ul#	85
5) Naphthalene	10.656	128	22546	0.400	ng/ul	99
7) 2-Methylnaphthalene	12.267	142	14721	0.401	ng/ul	99
8) 1-Methylnaphthalene	12.487	142	15128	0.406	ng/ul	99
10) Acenaphthylene	14.169	152	22181	0.392	ng/ul	99
11) Acenaphthene	14.511	153	15912	0.386	ng/ul	99
12) Fluorene	15.497	166	18314	0.389	ng/ul	99
14) Pentachlorophenol	16.846	266	5531	1.032	ng/ul	97
15) Phenanthrene	17.230	178	29547	0.423	ng/ul	99
16) Anthracene	17.323	178	27399	0.428	ng/ul	99
19) Fluoranthene	19.248	202	34031	0.381	ng/ul	100
20) Pyrene	19.611	202	36607	0.397	ng/ul	99
21) Benzo(a)anthracene	21.356	228	31977	0.432	ng/ul	99
22) Chrysene	21.406	228	32705	0.416	ng/ul	99
24) Benzo(b)fluoranthene	22.969	252	35570	0.469	ng/ul	96
25) Benzo(k)fluoranthene	23.013	252	35799	0.420	ng/ul	97
26) Benzo(a)pyrene	23.560	252	30129	0.440	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	25.987	276	42591	0.439	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.000	278	32671	0.443	ng/ul	98
29) Benzo(g,h,i)perylene	26.691	276	33995	0.437	ng/ul	98

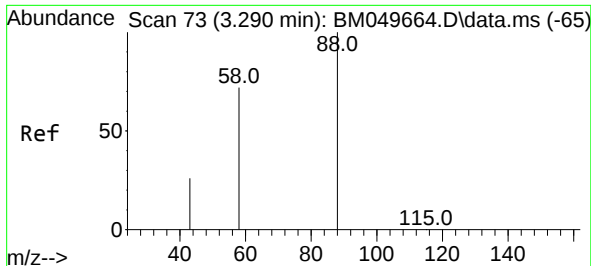
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 19 10:18:08 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

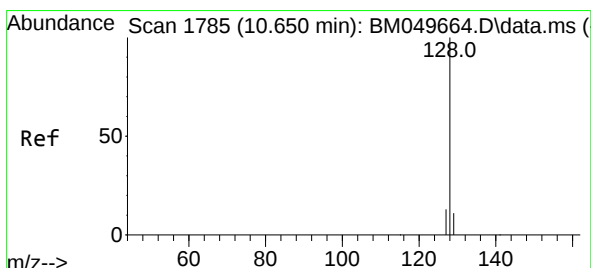
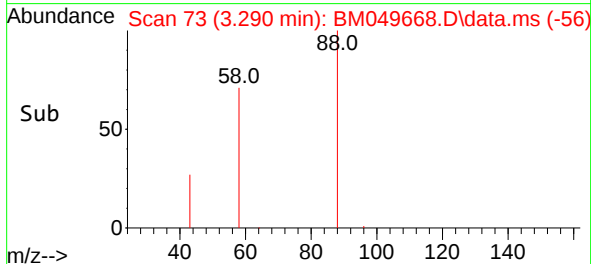
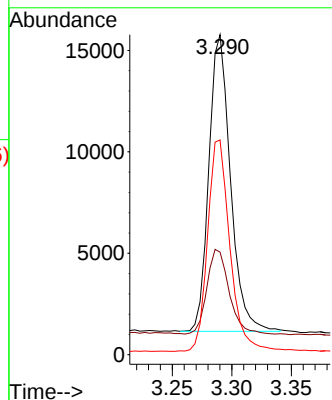
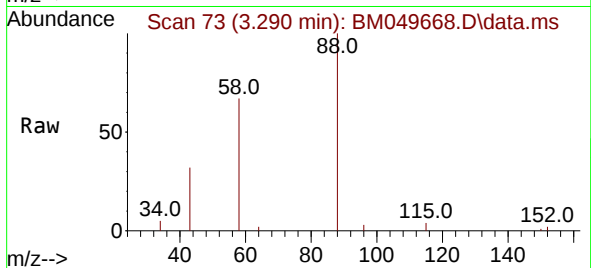




#2
1,4-Dioxane
Concen: 1.825 ng/ul
RT: 3.290 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM049668.D
Acq: 17 Feb 2025 16:55

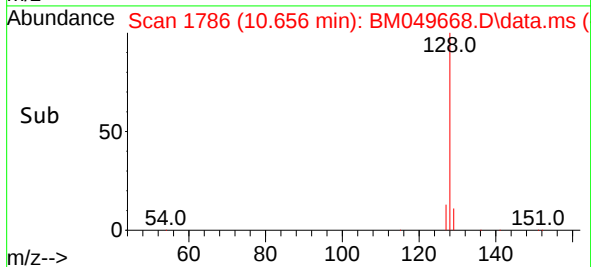
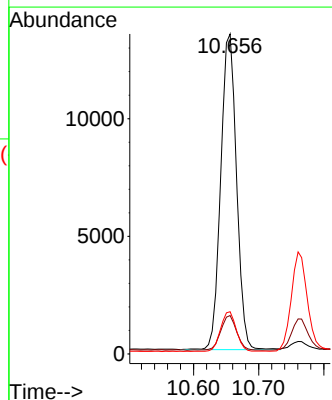
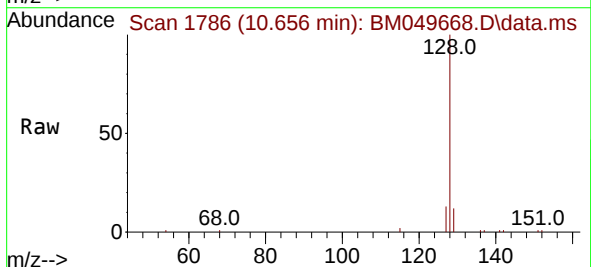
Instrument :
BNA_M
ClientSampleId :
SLCS627

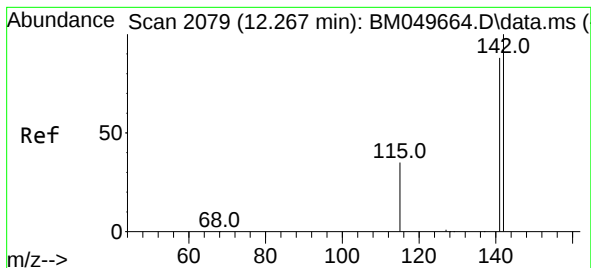
Tgt Ion: 88 Resp: 18493
Ion Ratio Lower Upper
88 100
43 32.1 31.9 47.9
58 67.1 43.7 65.5#



#5
Naphthalene
Concen: 0.400 ng/ul
RT: 10.656 min Scan# 1786
Delta R.T. 0.001 min
Lab File: BM049668.D
Acq: 17 Feb 2025 16:55

Tgt Ion:128 Resp: 22546
Ion Ratio Lower Upper
128 100
129 12.0 9.4 14.0
127 13.2 10.8 16.2

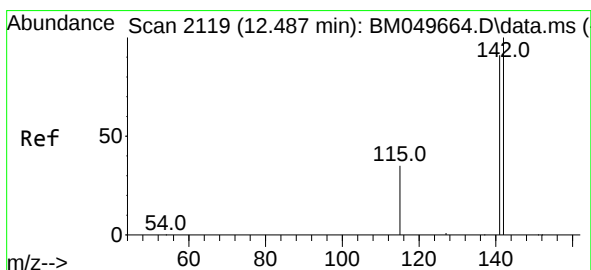
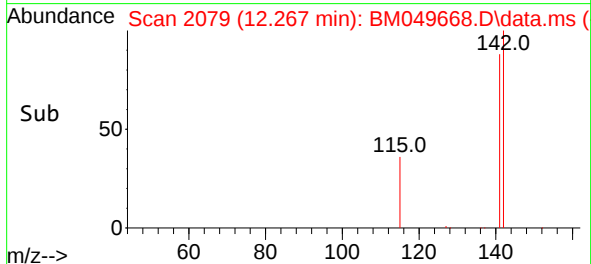
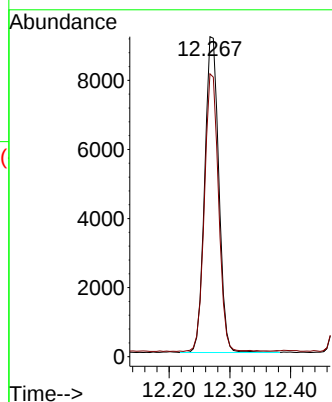
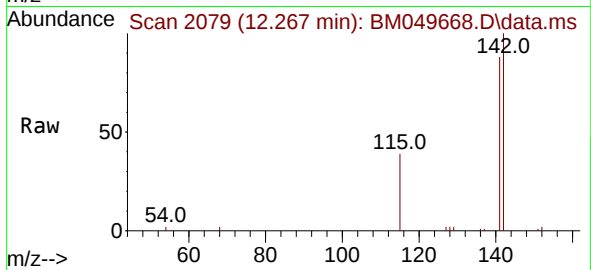




#7
2-Methylnaphthalene
Concen: 0.401 ng/ul
RT: 12.267 min Scan# 2079
Delta R.T. -0.010 min
Lab File: BM049668.D
Acq: 17 Feb 2025 16:55

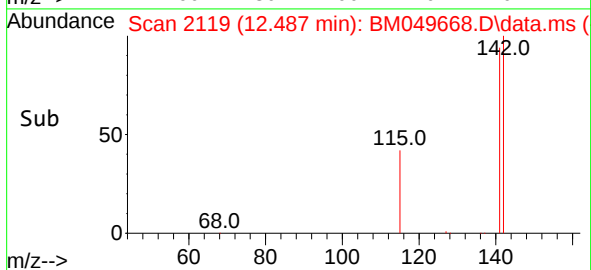
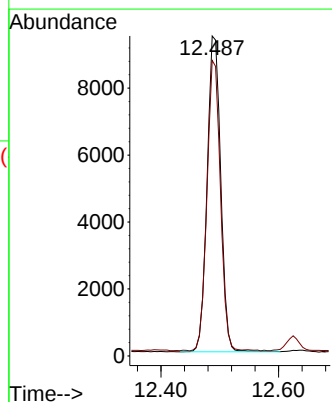
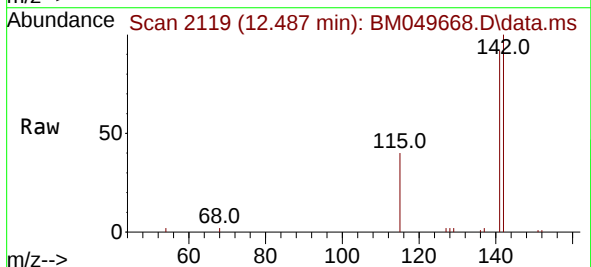
Instrument :
BNA_M
ClientSampleId :
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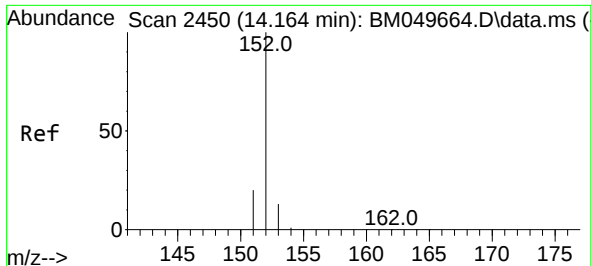
Tgt Ion:142 Resp: 14721
Ion Ratio Lower Upper
142 100
141 87.9 71.0 106.6



#8
1-Methylnaphthalene
Concen: 0.406 ng/ul
RT: 12.487 min Scan# 2119
Delta R.T. -0.004 min
Lab File: BM049668.D
Acq: 17 Feb 2025 16:55

Tgt Ion:142 Resp: 15128
Ion Ratio Lower Upper
142 100
141 90.9 73.1 109.7

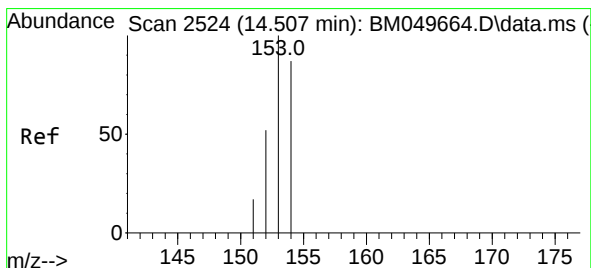
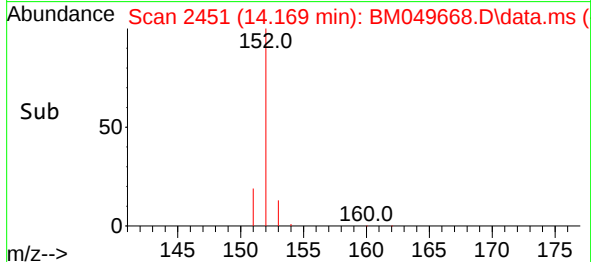
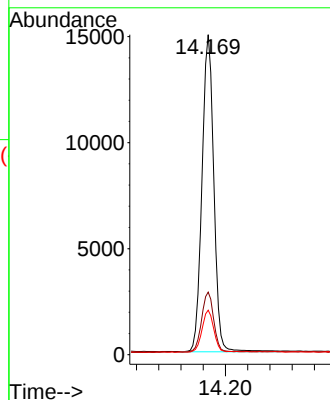
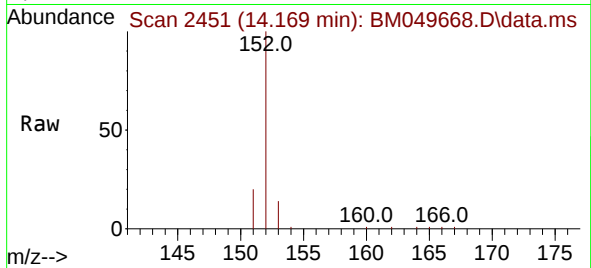




#10
Acenaphthylene
Concen: 0.392 ng/ul
RT: 14.169 min Scan# 2450
Delta R.T. -0.003 min
Lab File: BM049668.D
Acq: 17 Feb 2025 16:55

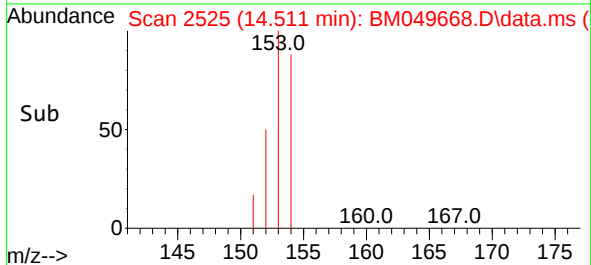
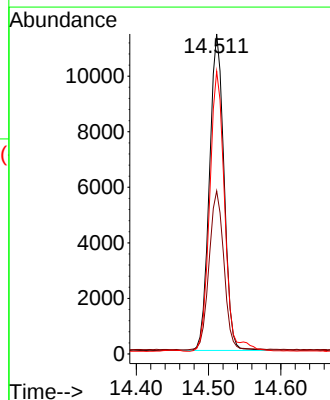
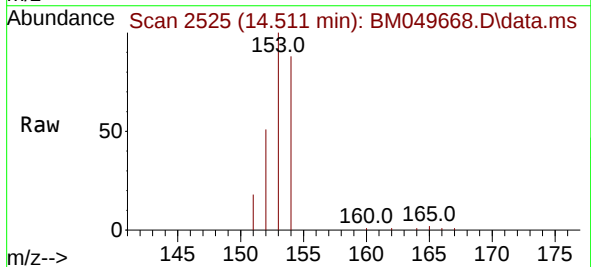
Instrument :
BNA_M
ClientSampleId :
SLCS627

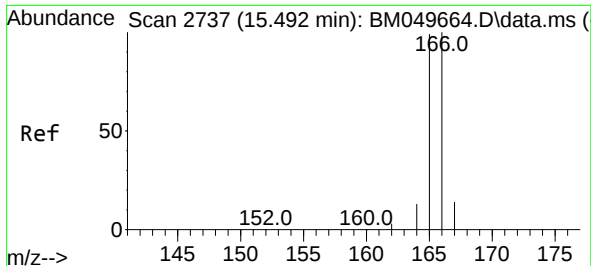
Tgt Ion:152 Resp: 22181
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.6
153 13.9 10.5 15.7



#11
Acenaphthene
Concen: 0.386 ng/ul
RT: 14.511 min Scan# 2525
Delta R.T. -0.004 min
Lab File: BM049668.D
Acq: 17 Feb 2025 16:55

Tgt Ion:153 Resp: 15912
Ion Ratio Lower Upper
153 100
152 51.0 41.9 62.9
154 88.3 70.2 105.2

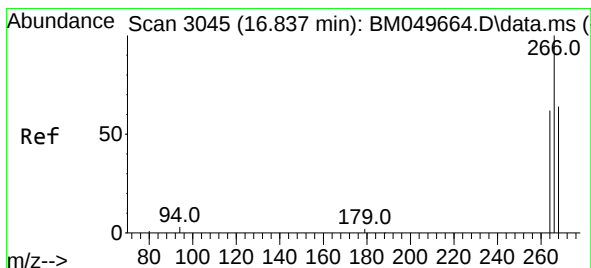
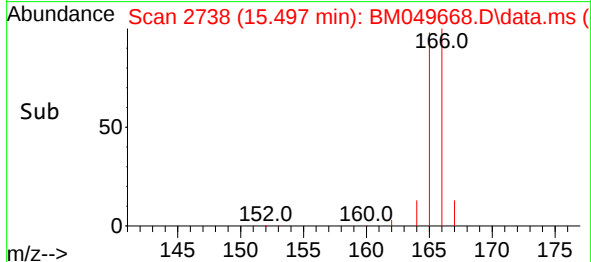
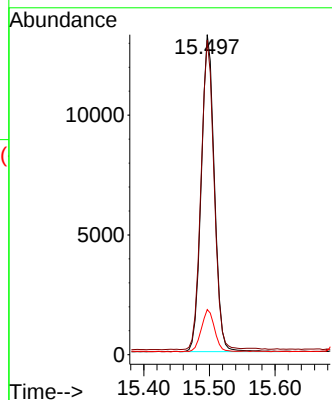
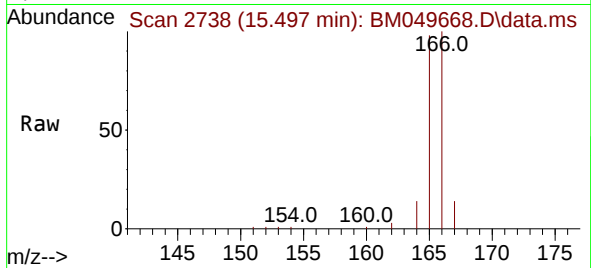




#12
 Fluorene
 Concen: 0.389 ng/ul
 RT: 15.497 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BM049668.D
 Acq: 17 Feb 2025 16:55

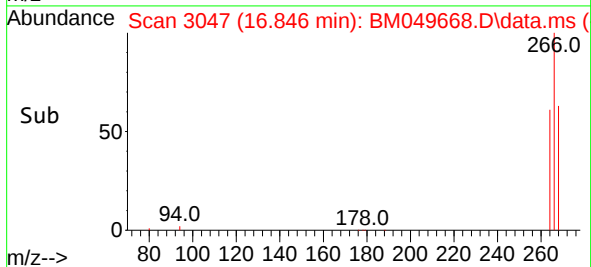
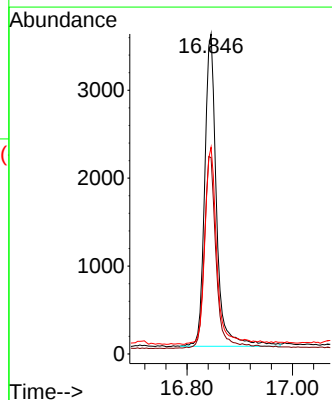
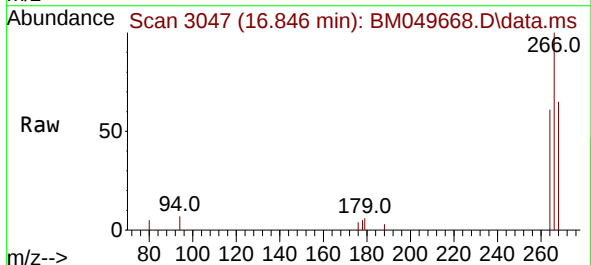
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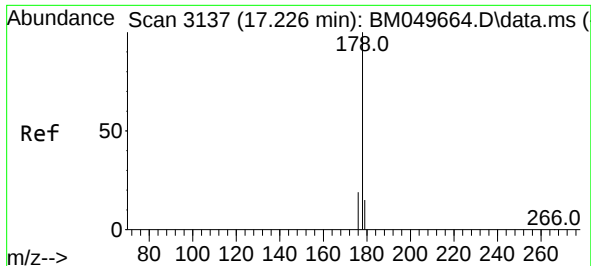
Tgt Ion:166 Resp: 18314
 Ion Ratio Lower Upper
 166 100
 165 98.2 79.6 119.4
 167 14.1 11.4 17.2



#14
 Pentachlorophenol
 Concen: 1.032 ng/ul
 RT: 16.846 min Scan# 3047
 Delta R.T. 0.005 min
 Lab File: BM049668.D
 Acq: 17 Feb 2025 16:55

Tgt Ion:266 Resp: 5531
 Ion Ratio Lower Upper
 266 100
 264 63.5 50.3 75.5
 268 65.4 49.2 73.8

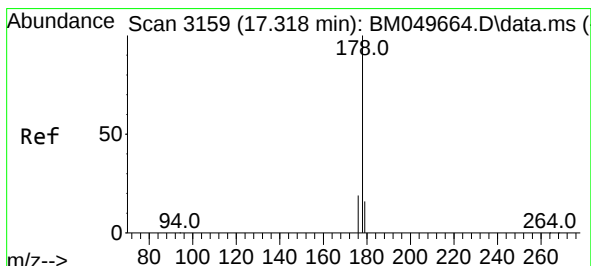
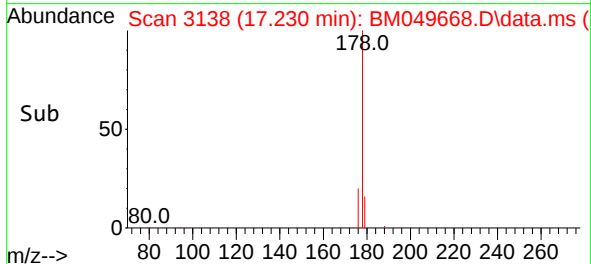
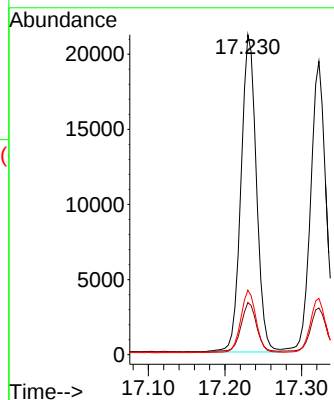
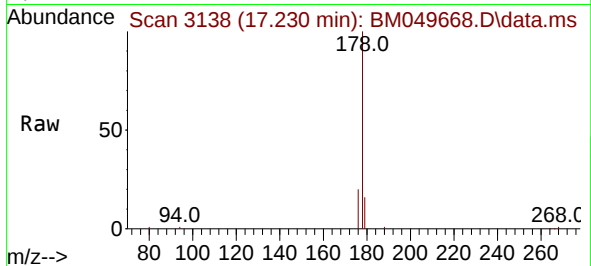




#15
Phenanthrene
Concen: 0.423 ng/ul
RT: 17.230 min Scan# 3137
Delta R.T. -0.003 min
Lab File: BM049668.D
Acq: 17 Feb 2025 16:55

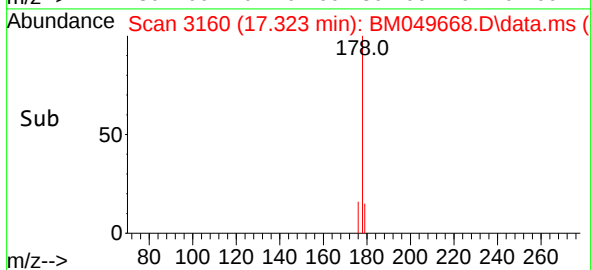
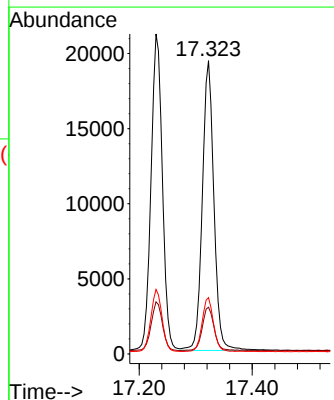
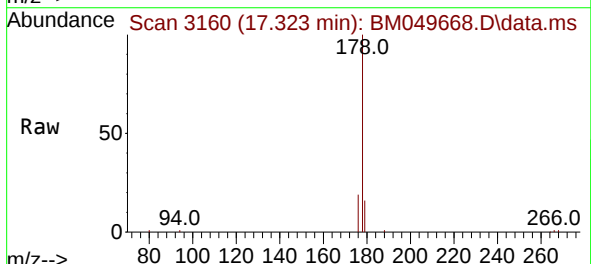
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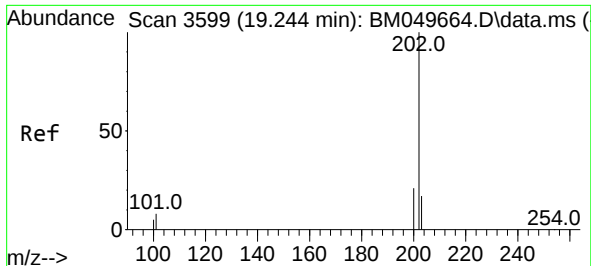
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Ion Ratio Lower Upper
178 100
179 16.3 12.6 19.0
176 20.1 16.2 24.2



#16
Anthracene
Concen: 0.428 ng/ul
RT: 17.323 min Scan# 3160
Delta R.T. 0.001 min
Lab File: BM049668.D
Acq: 17 Feb 2025 16:55

Tgt Ion:178 Resp: 27399
Ion Ratio Lower Upper
178 100
179 15.9 12.9 19.3
176 19.2 15.8 23.6

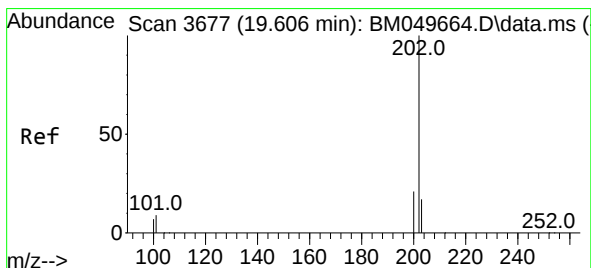
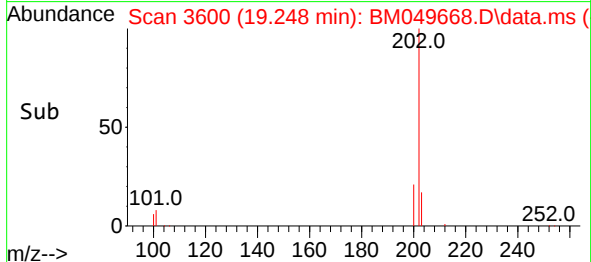
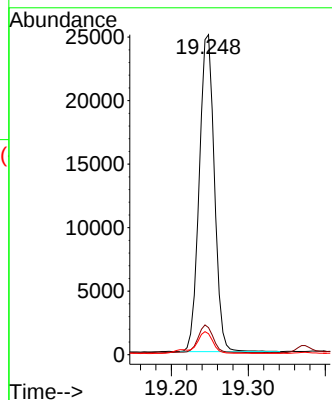
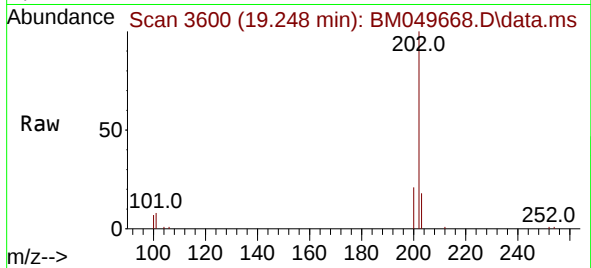




#19
Fluoranthene
Concen: 0.381 ng/ul
RT: 19.248 min Scan# 30
Delta R.T. 0.001 min
Lab File: BM049668.D
Acq: 17 Feb 2025 16:55

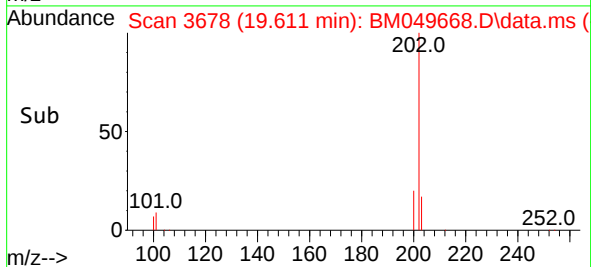
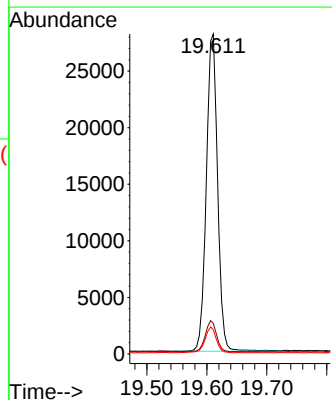
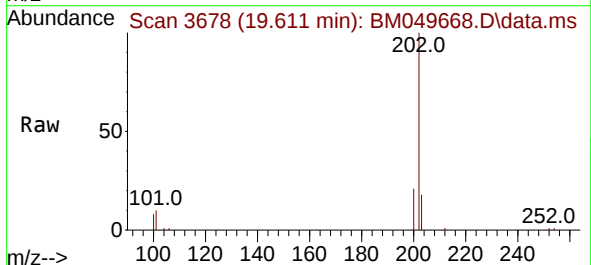
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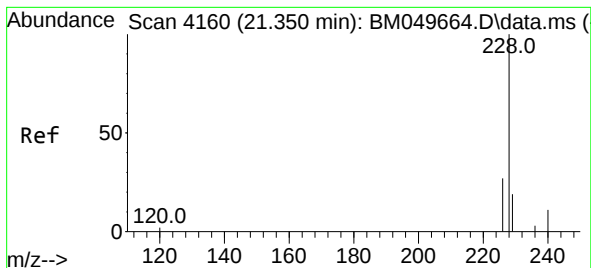
Tgt Ion:202 Resp: 34031
Ion Ratio Lower Upper
202 100
101 8.4 6.7 10.1
100 6.5 5.0 7.4



#20
Pyrene
Concen: 0.397 ng/ul
RT: 19.611 min Scan# 3678
Delta R.T. 0.001 min
Lab File: BM049668.D
Acq: 17 Feb 2025 16:55

Tgt Ion:202 Resp: 36607
Ion Ratio Lower Upper
202 100
101 9.5 7.5 11.3
100 7.5 6.3 9.5





#21

Benzo(a)anthracene

Concen: 0.432 ng/ul

RT: 21.356 min Scan# 41

Delta R.T. 0.005 min

Lab File: BM049668.D

Acq: 17 Feb 2025 16:55

Instrument :

BNA_M

ClientSampleId :

SLCS627

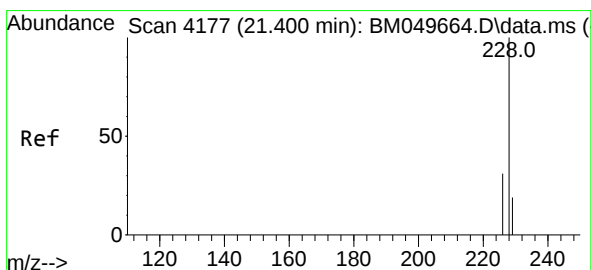
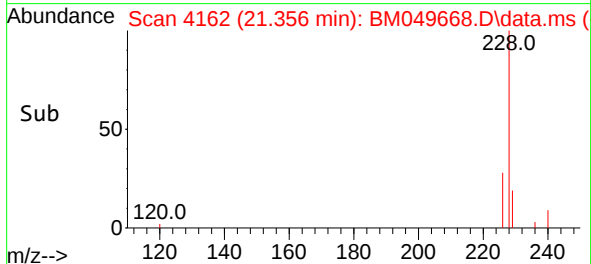
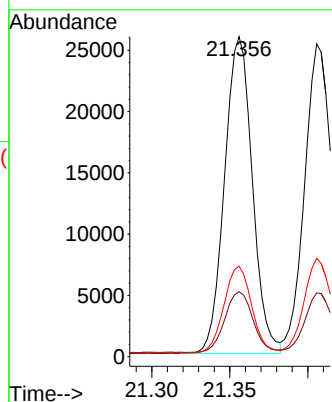
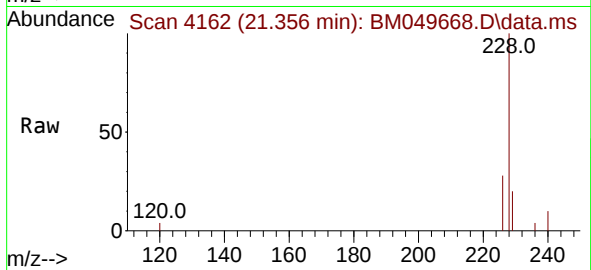
Tgt Ion:228 Resp: 31977

Ion Ratio Lower Upper

228 100

229 20.3 15.7 23.5

226 28.3 22.2 33.4



#22

Chrysene

Concen: 0.416 ng/ul

RT: 21.406 min Scan# 4179

Delta R.T. 0.002 min

Lab File: BM049668.D

Acq: 17 Feb 2025 16:55

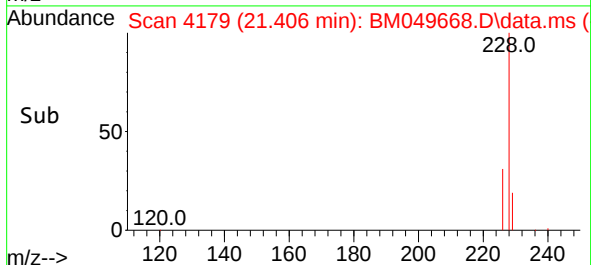
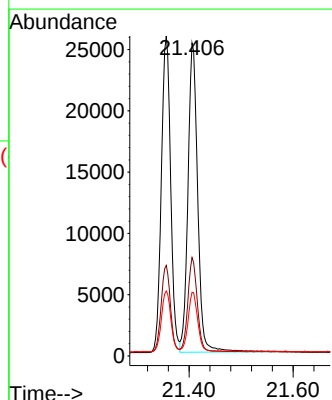
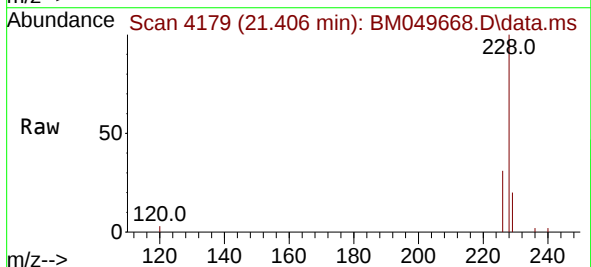
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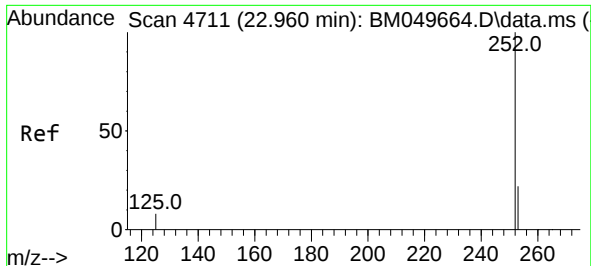
Ion Ratio Lower Upper

228 100

226 31.4 24.9 37.3

229 20.4 15.6 23.4

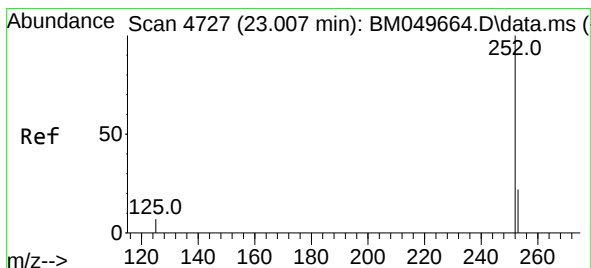
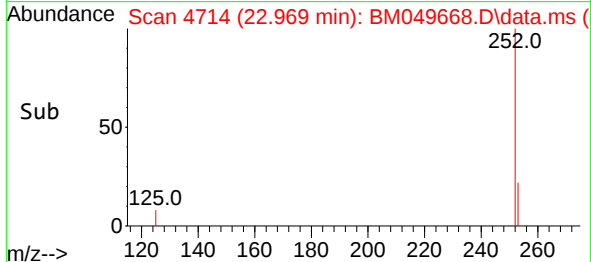
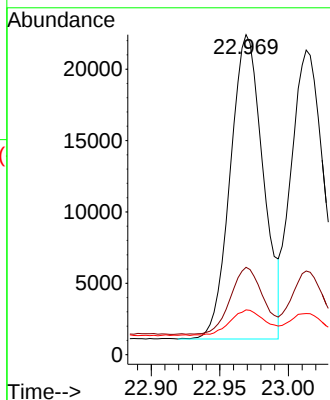
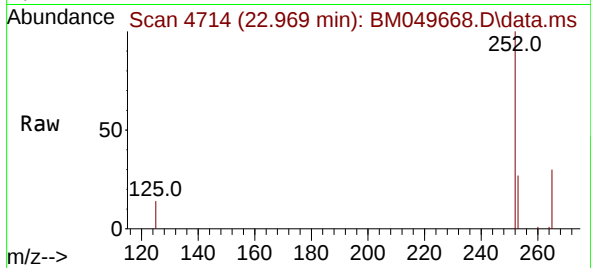




#24
Benzo(b)fluoranthene
Concen: 0.469 ng/ul
RT: 22.969 min Scan# 4714
Delta R.T. 0.002 min
Lab File: BM049668.D
Acq: 17 Feb 2025 16:55

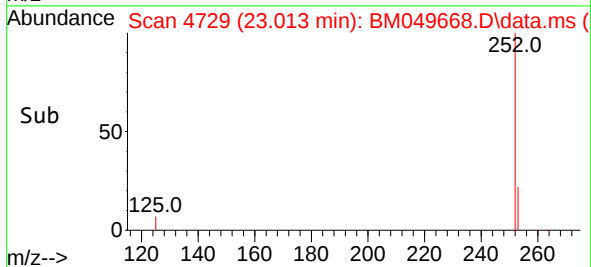
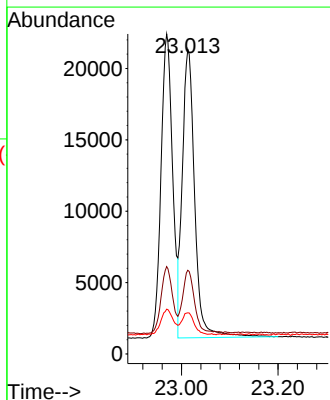
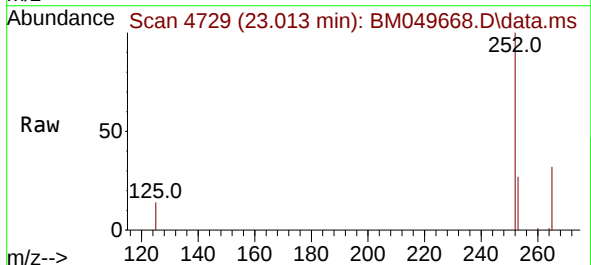
Instrument :
BNA_M
ClientSampleId :
SLCS627

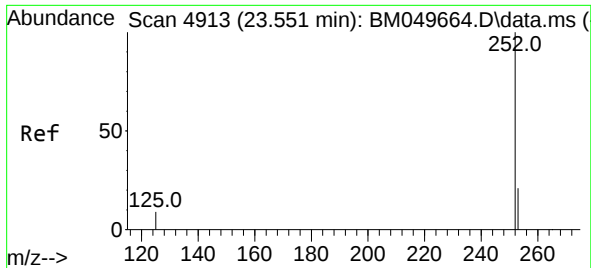
Tgt Ion:252 Resp: 35570
Ion Ratio Lower Upper
252 100
253 27.3 0.0 50.2
125 14.0 0.0 25.6



#25
Benzo(k)fluoranthene
Concen: 0.420 ng/ul
RT: 23.013 min Scan# 4729
Delta R.T. 0.002 min
Lab File: BM049668.D
Acq: 17 Feb 2025 16:55

Tgt Ion:252 Resp: 35799
Ion Ratio Lower Upper
252 100
253 27.5 20.2 30.4
125 13.5 10.4 15.6

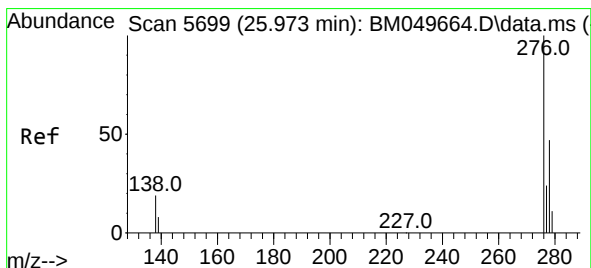
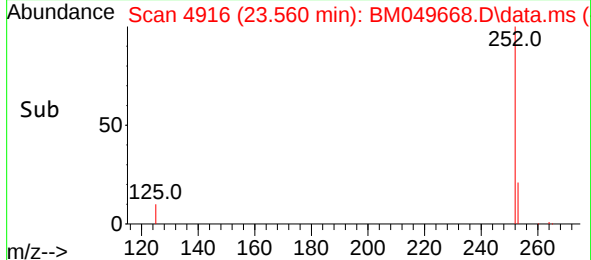
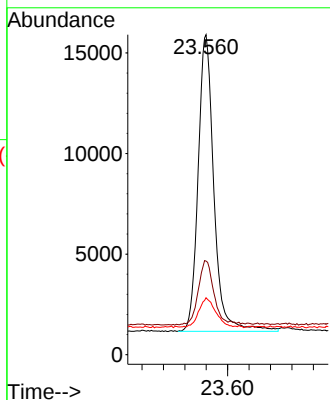
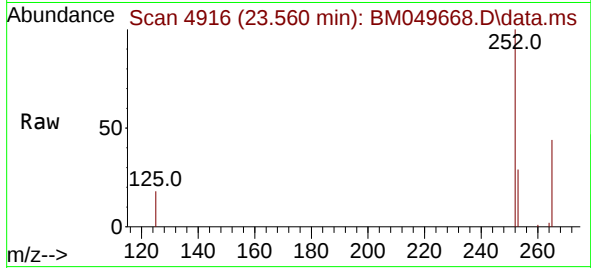




#26
Benzo(a)pyrene
Concen: 0.440 ng/ul
RT: 23.560 min Scan# 4916
Delta R.T. 0.005 min
Lab File: BM049668.D
Acq: 17 Feb 2025 16:55

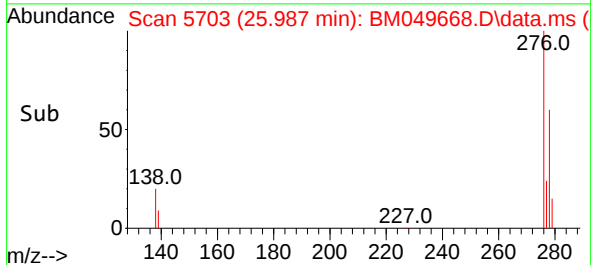
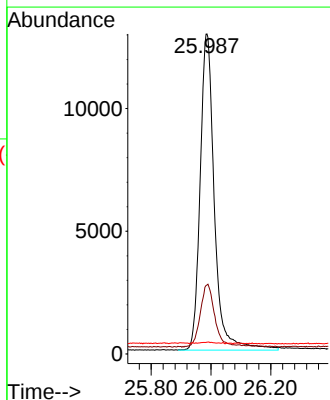
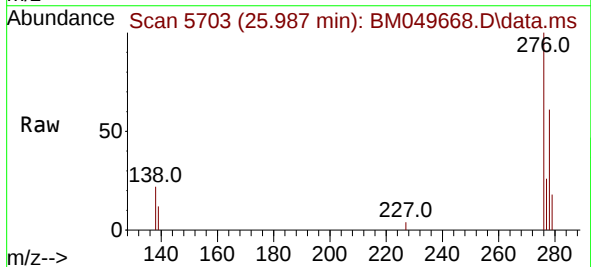
Instrument :
BNA_M
ClientSampleId :
SLCS627

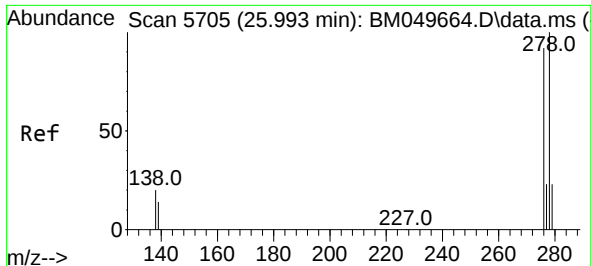
Tgt Ion	252	Resp	30129
Ion Ratio	Lower	Upper	
252	100		
253	29.3	21.6	32.4
125	17.8	12.6	18.8



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.439 ng/ul
RT: 25.987 min Scan# 5703
Delta R.T. 0.003 min
Lab File: BM049668.D
Acq: 17 Feb 2025 16:55

Tgt Ion	276	Resp	42591
Ion Ratio	Lower	Upper	
276	100		
138	20.7	16.5	24.7
227	0.5	0.1	0.1

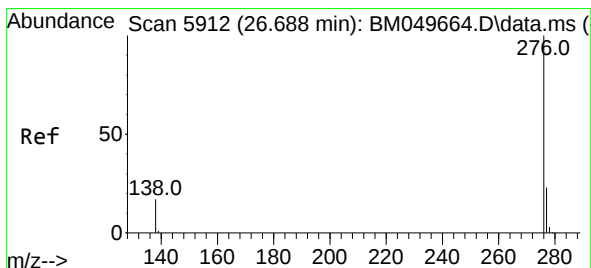
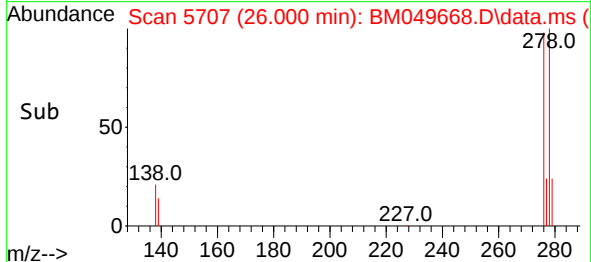
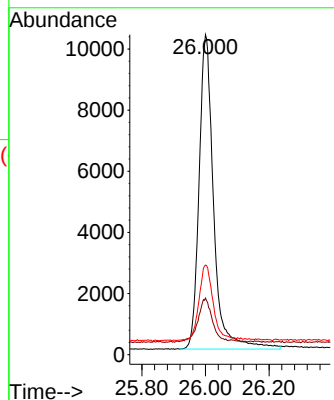
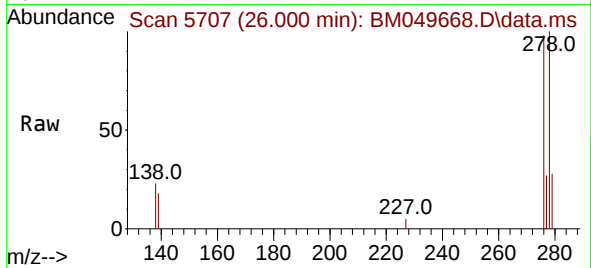




#28
Dibenzo(a,h)anthracene
Concen: 0.443 ng/ul
RT: 26.000 min Scan# 51
Delta R.T. -0.001 min
Lab File: BM049668.D
Acq: 17 Feb 2025 16:55

Instrument :
BNA_M
ClientSampleId :
SLCS627

Tgt Ion:278 Resp: 32671
Ion Ratio Lower Upper
278 100
139 17.7 13.4 20.0
279 28.0 21.5 32.3



#29
Benzo(g,h,i)perylene
Concen: 0.437 ng/ul
RT: 26.691 min Scan# 5913
Delta R.T. -0.001 min
Lab File: BM049668.D
Acq: 17 Feb 2025 16:55

Tgt Ion:276 Resp: 33995
Ion Ratio Lower Upper
276 100
138 20.3 15.8 23.6
277 25.9 19.9 29.9

