

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030425\
 Data File : BM049691.D
 Acq On : 04 Mar 2025 11:52
 Operator : RC/JU
 Sample : SSTD1.6058
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.6045

Quant Time: Mar 04 12:23:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM030425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 04 11:57:36 2025
 Response via : Initial Calibration

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

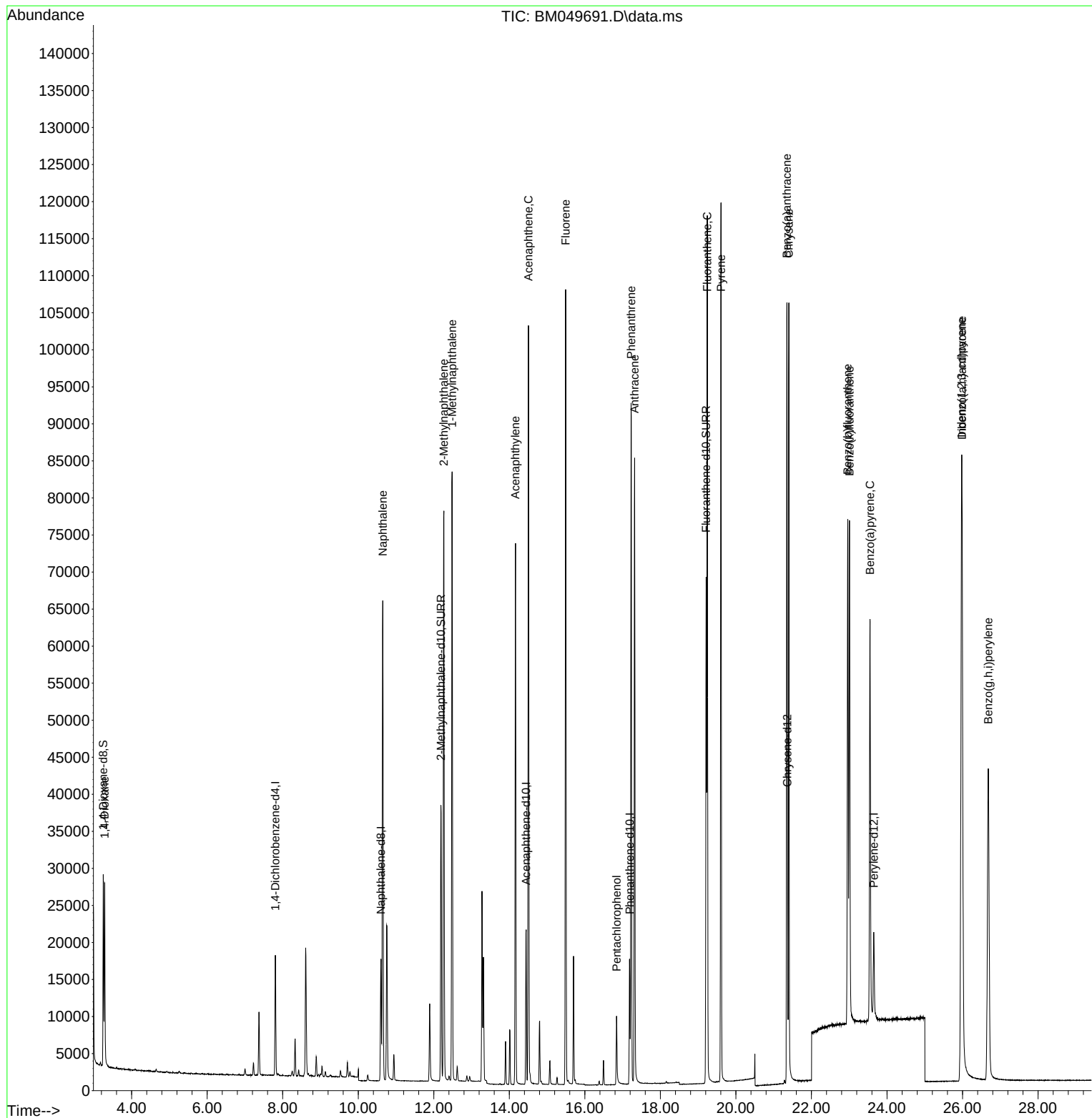
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	8179	0.400	ng/ul	0.00
4) Naphthalene-d8	10.600	136	21450	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.445	164	11602	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.186	188	20716	0.400	ng/ul	0.00
17) Chrysene-d12	21.365	240	15348	0.400	ng/ul	0.00
23) Perylene-d12	23.651	264	16106	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.248	96	14906	1.617	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.189	152	48911	1.651	ng/ul	0.00
18) Fluoranthene-d10	19.210	212	78080	1.662	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.286	88	15773	1.602	ng/ul#	86
5) Naphthalene	10.649	128	86084	1.614	ng/ul	99
7) 2-Methylnaphthalene	12.266	142	55666	1.603	ng/ul	100
8) 1-Methylnaphthalene	12.486	142	56743	1.607	ng/ul	99
10) Acenaphthylene	14.163	152	78727	1.596	ng/ul	99
11) Acenaphthene	14.505	153	57075	1.589	ng/ul	98
12) Fluorene	15.491	166	64756	1.588	ng/ul	99
14) Pentachlorophenol	16.840	266	7186	1.717	ng/ul	99
15) Phenanthrene	17.224	178	95062	1.692	ng/ul	99
16) Anthracene	17.317	178	87975	1.712	ng/ul	99
19) Fluoranthene	19.242	202	101040	1.606	ng/ul	98
20) Pyrene	19.605	202	103525	1.584	ng/ul	99
21) Benzo(a)anthracene	21.351	228	86637	1.641	ng/ul	99
22) Chrysene	21.400	228	87807	1.566	ng/ul	99
24) Benzo(b)fluoranthene	22.961	252	88607	1.641	ng/ul	91
25) Benzo(k)fluoranthene	23.005	252	91233	1.523	ng/ul#	90
26) Benzo(a)pyrene	23.548	252	82318	1.677	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	25.974	276	117587	1.677	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.987	278	91378	1.703	ng/ul	94
29) Benzo(g,h,i)perylene	26.681	276	96064	1.716	ng/ul	97

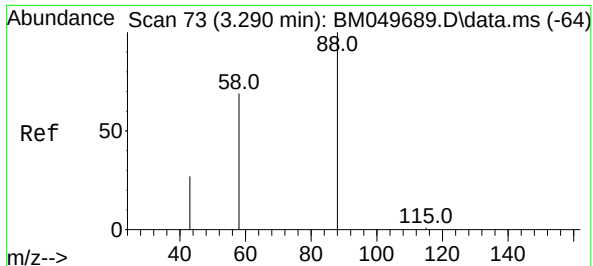
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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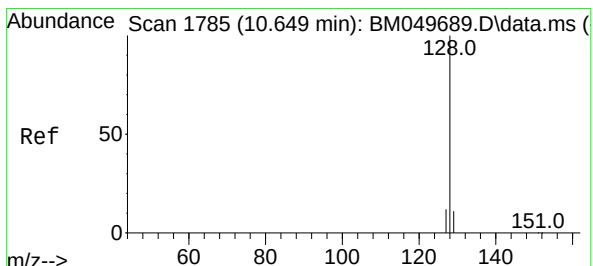
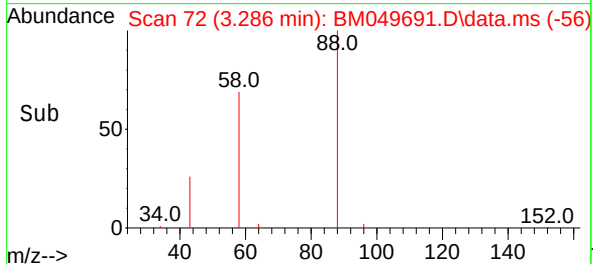
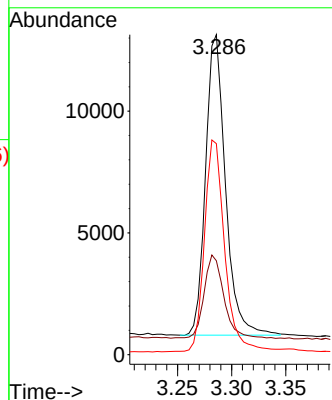
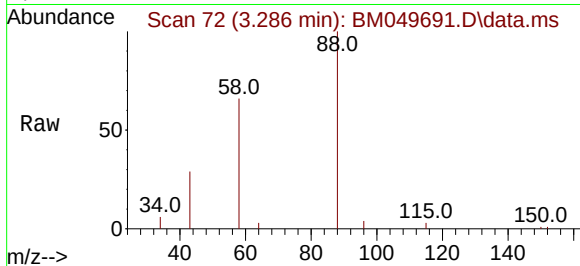




#2
1,4-Dioxane
Concen: 1.602 ng/ul
RT: 3.286 min Scan# 71
Delta R.T. -0.004 min
Lab File: BM049691.D
Acq: 04 Mar 2025 11:52

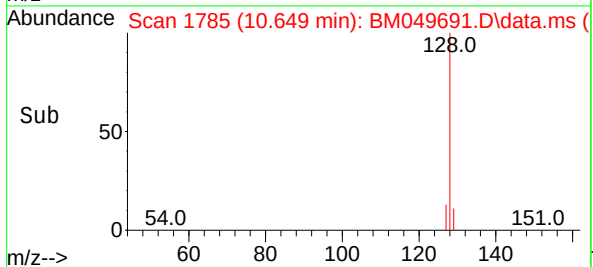
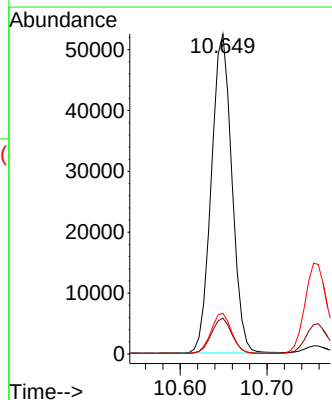
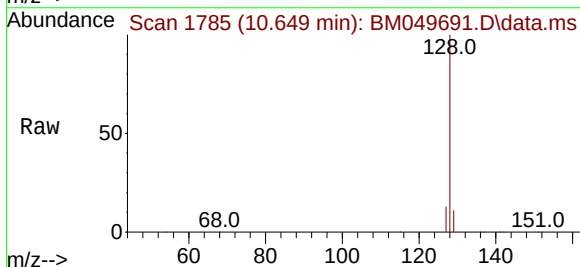
Instrument :
BNA_M
ClientSampleId :
SSTD1.6045

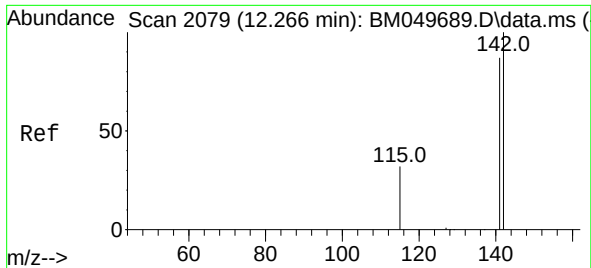
Tgt Ion: 88 Resp: 15773
Ion Ratio Lower Upper
88 100
43 29.4 32.6 49.0#
58 66.0 45.9 68.9



#5
Naphthalene
Concen: 1.614 ng/ul
RT: 10.649 min Scan# 1785
Delta R.T. -0.000 min
Lab File: BM049691.D
Acq: 04 Mar 2025 11:52

Tgt Ion: 128 Resp: 86084
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 12.7 10.2 15.4

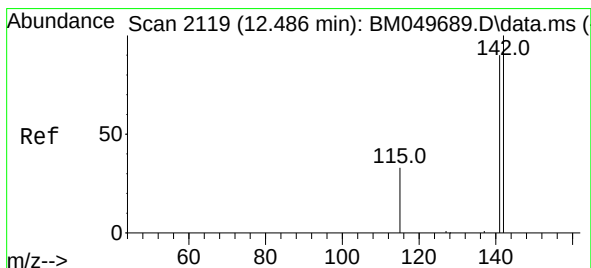
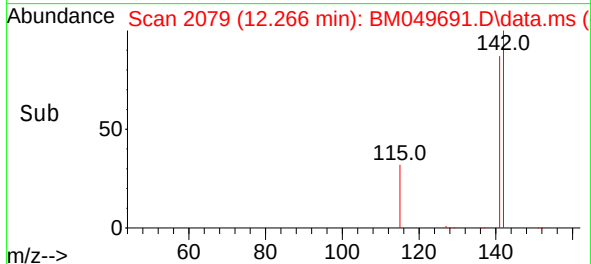
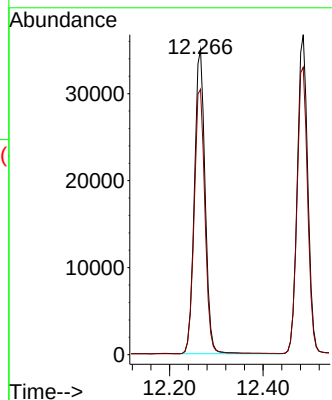
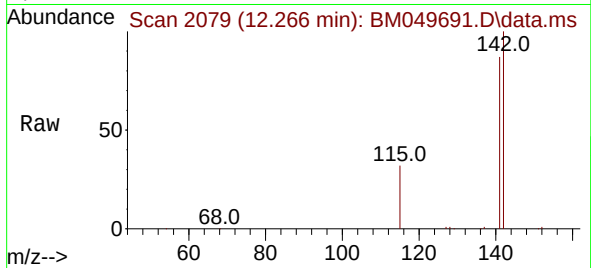




#7
2-Methylnaphthalene
Concen: 1.603 ng/ul
RT: 12.266 min Scan# 2079
Delta R.T. -0.000 min
Lab File: BM049691.D
Acq: 04 Mar 2025 11:52

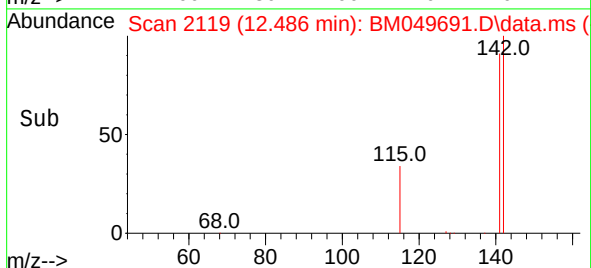
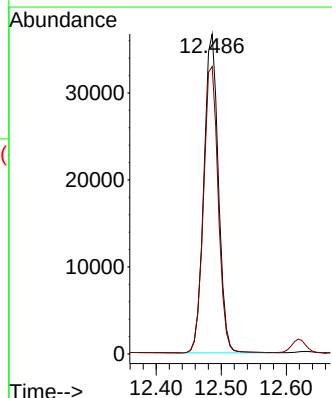
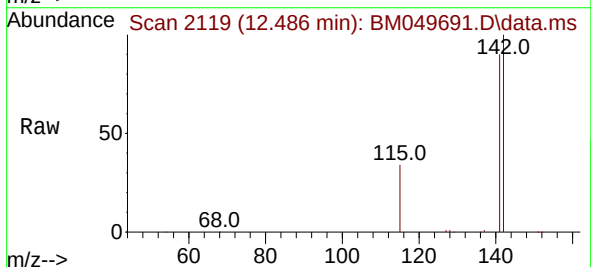
Instrument :
BNA_M
ClientSampleId :
SSTD1.6045

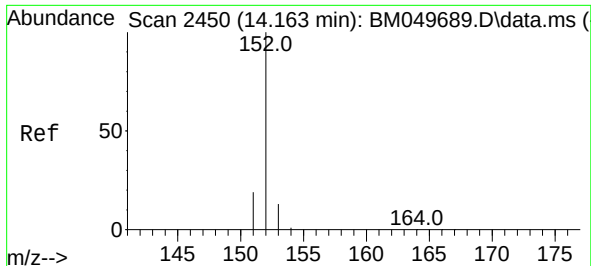
Tgt Ion:142 Resp: 55666
Ion Ratio Lower Upper
142 100
141 87.8 70.0 105.0



#8
1-Methylnaphthalene
Concen: 1.607 ng/ul
RT: 12.486 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BM049691.D
Acq: 04 Mar 2025 11:52

Tgt Ion:142 Resp: 56743
Ion Ratio Lower Upper
142 100
141 91.0 72.4 108.6

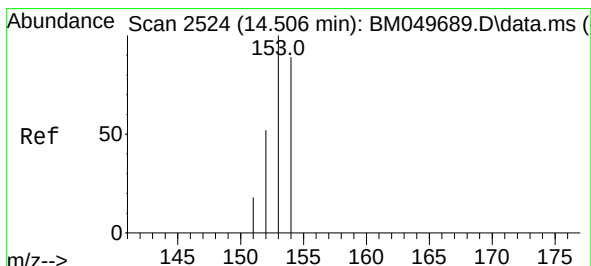
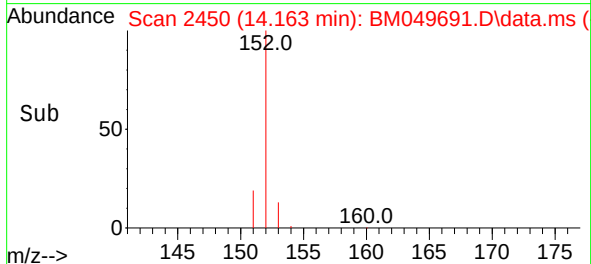
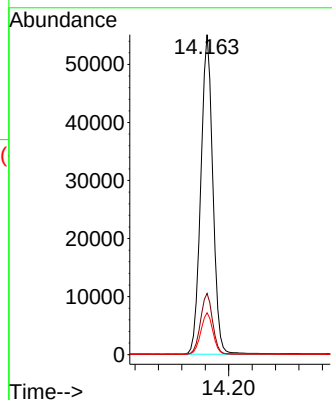
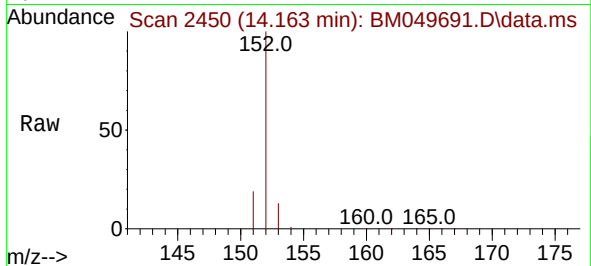




#10
Acenaphthylene
Concen: 1.596 ng/ul
RT: 14.163 min Scan# 2450
Delta R.T. -0.000 min
Lab File: BM049691.D
Acq: 04 Mar 2025 11:52

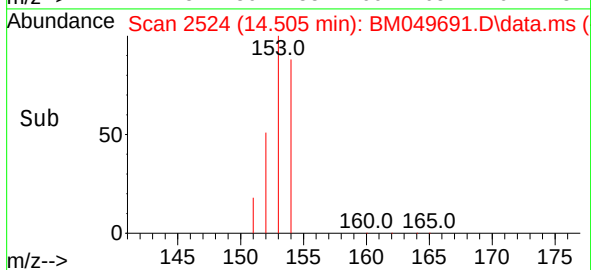
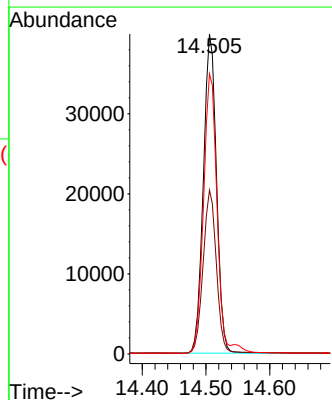
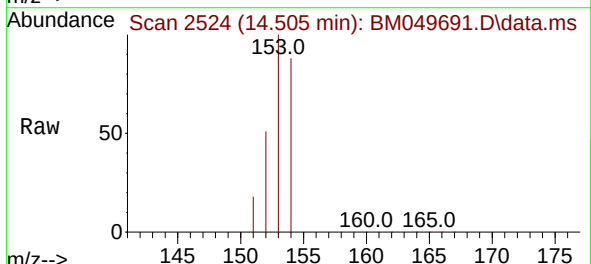
Instrument :
BNA_M
ClientSampleId :
SSTD1.6045

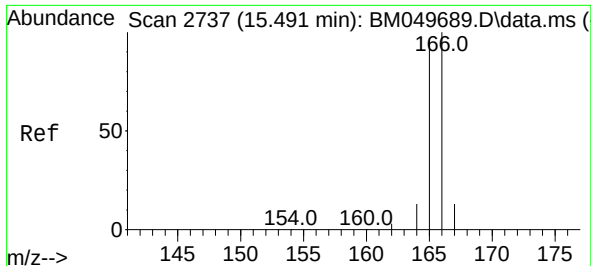
Tgt Ion:152 Resp: 78727
Ion Ratio Lower Upper
152 100
151 19.1 15.8 23.6
153 13.1 11.0 16.4



#11
Acenaphthene
Concen: 1.589 ng/ul
RT: 14.505 min Scan# 2524
Delta R.T. -0.000 min
Lab File: BM049691.D
Acq: 04 Mar 2025 11:52

Tgt Ion:153 Resp: 57075
Ion Ratio Lower Upper
153 100
152 51.2 42.0 63.0
154 87.6 71.6 107.4

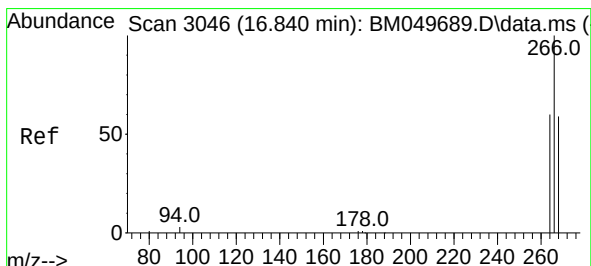
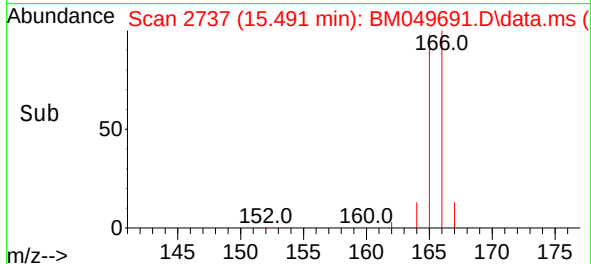
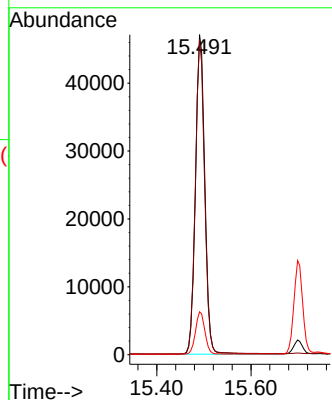
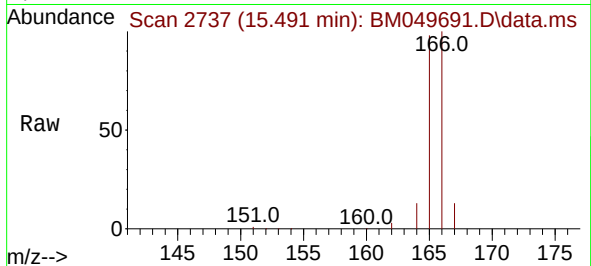




#12
 Fluorene
 Concen: 1.588 ng/ul
 RT: 15.491 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM049691.D
 Acq: 04 Mar 2025 11:52

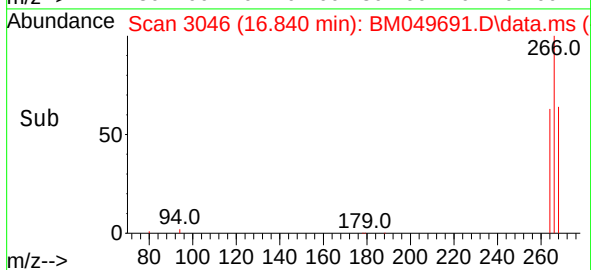
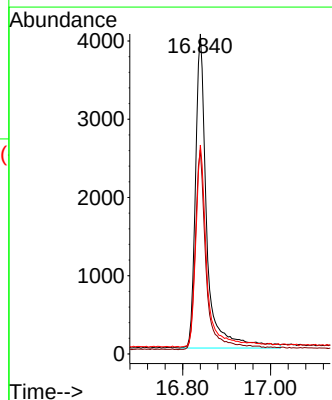
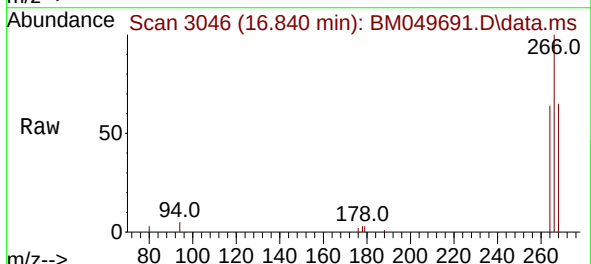
Instrument :
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 ClientSampleId :
 SSTD1.6045

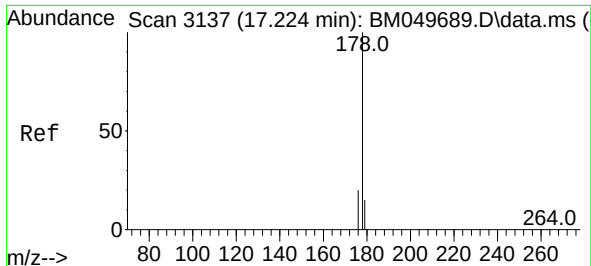
Tgt Ion:166 Resp: 64756
 Ion Ratio Lower Upper
 166 100
 165 98.4 77.6 116.4
 167 13.4 11.1 16.7



#14
 Pentachlorophenol
 Concen: 1.717 ng/ul
 RT: 16.840 min Scan# 3046
 Delta R.T. -0.000 min
 Lab File: BM049691.D
 Acq: 04 Mar 2025 11:52

Tgt Ion:266 Resp: 7186
 Ion Ratio Lower Upper
 266 100
 264 62.7 50.2 75.4
 268 64.3 49.9 74.9

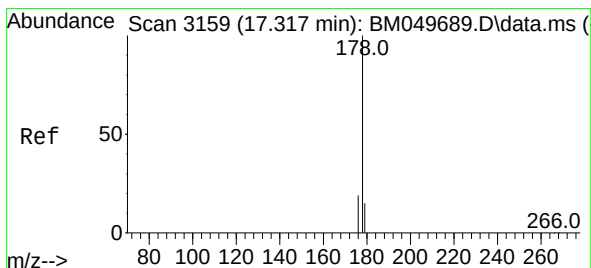
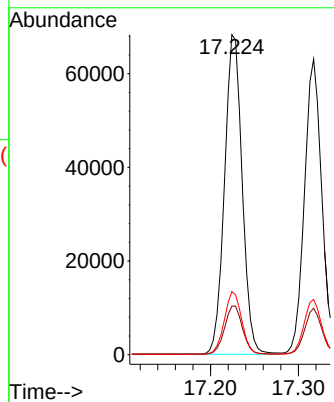
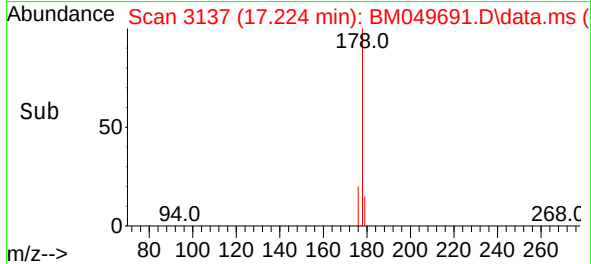
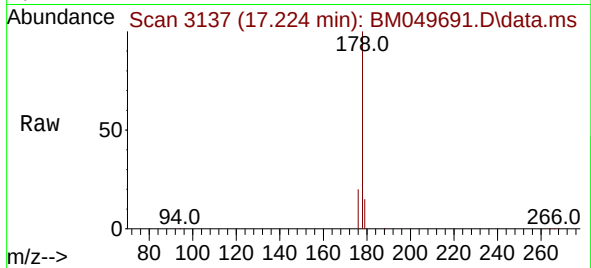




#15
Phenanthrene
Concen: 1.692 ng/ul
RT: 17.224 min Scan# 3137
Delta R.T. -0.000 min
Lab File: BM049691.D
Acq: 04 Mar 2025 11:52

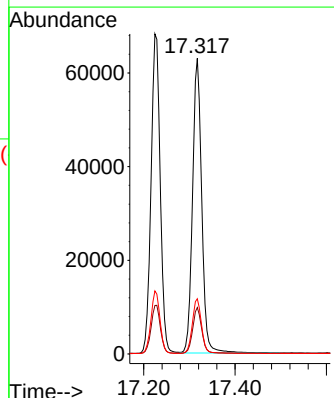
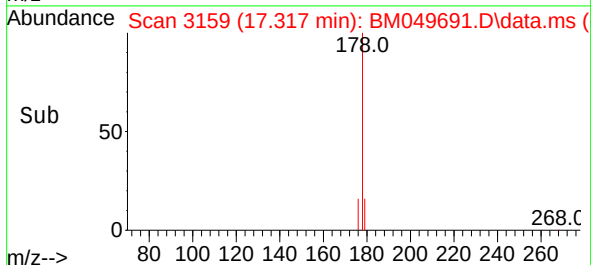
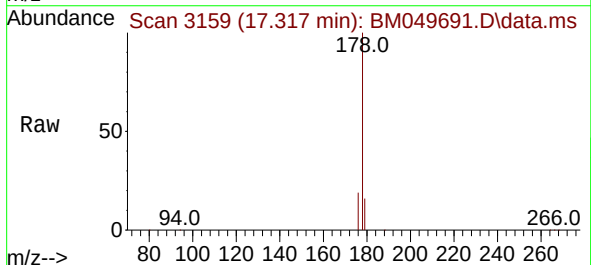
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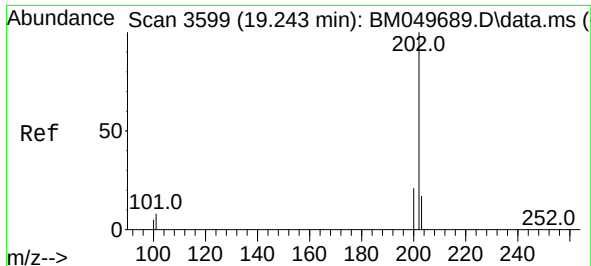
Tgt Ion:178 Resp: 95062
Ion Ratio Lower Upper
178 100
179 15.2 12.7 19.1
176 19.7 16.2 24.2



#16
Anthracene
Concen: 1.712 ng/ul
RT: 17.317 min Scan# 3159
Delta R.T. -0.000 min
Lab File: BM049691.D
Acq: 04 Mar 2025 11:52

Tgt Ion:178 Resp: 87975
Ion Ratio Lower Upper
178 100
179 15.7 12.6 19.0
176 18.7 15.5 23.3

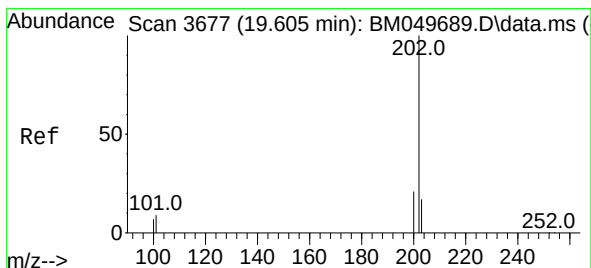
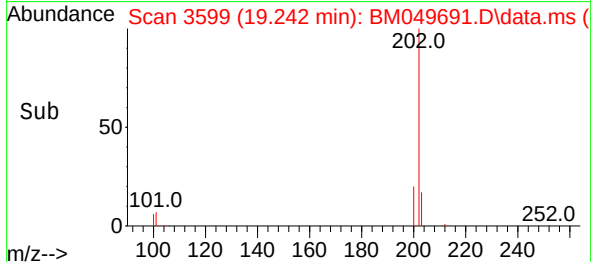
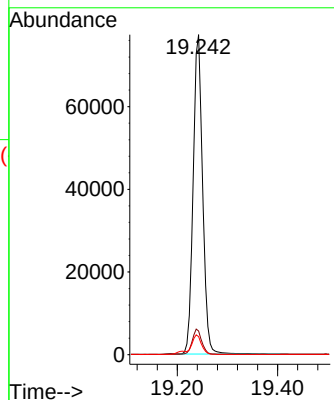
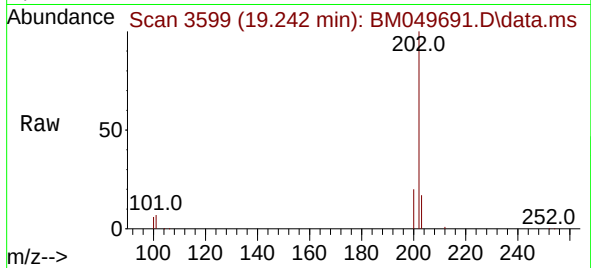




#19
Fluoranthene
Concen: 1.606 ng/ul
RT: 19.242 min Scan# 3599
Delta R.T. -0.000 min
Lab File: BM049691.D
Acq: 04 Mar 2025 11:52

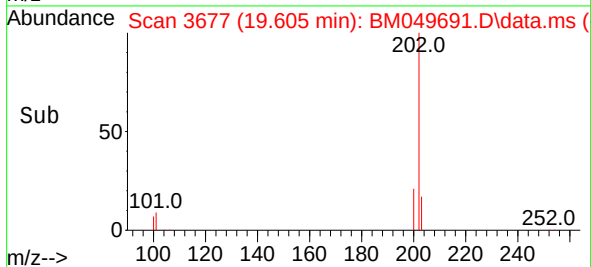
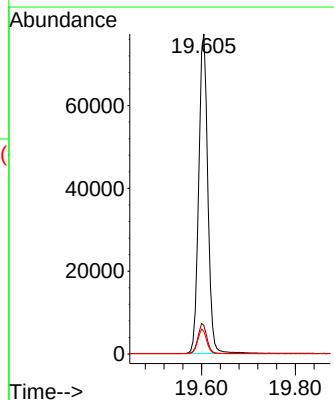
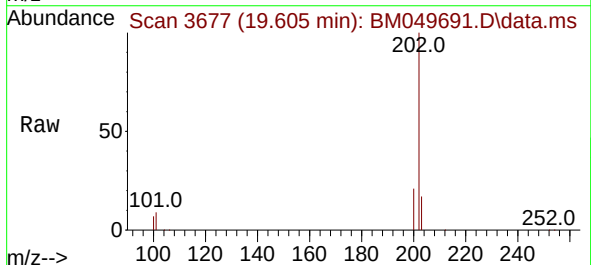
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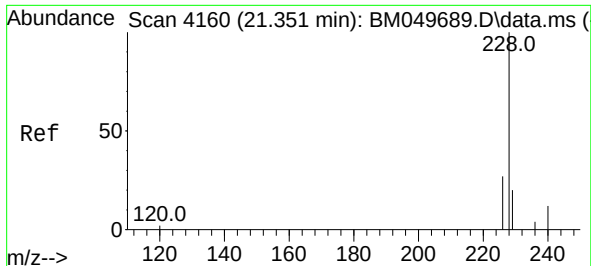
Tgt Ion:202 Resp: 101040
Ion Ratio Lower Upper
202 100
101 7.4 6.6 10.0
100 5.7 5.0 7.4



#20
Pyrene
Concen: 1.584 ng/ul
RT: 19.605 min Scan# 3677
Delta R.T. -0.000 min
Lab File: BM049691.D
Acq: 04 Mar 2025 11:52

Tgt Ion:202 Resp: 103525
Ion Ratio Lower Upper
202 100
101 8.9 7.4 11.2
100 7.1 6.0 9.0

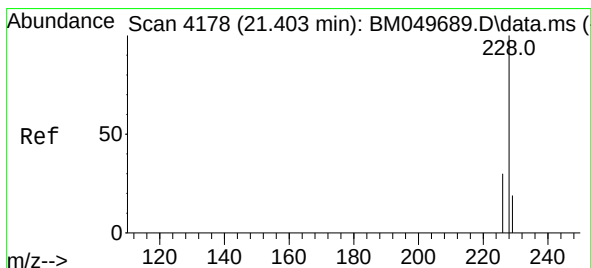
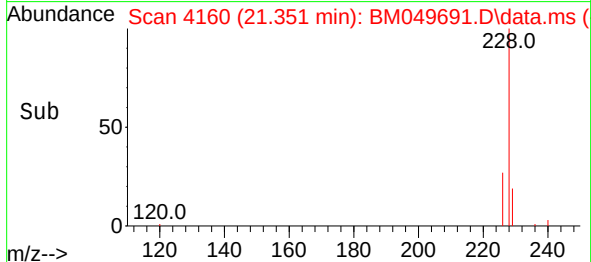
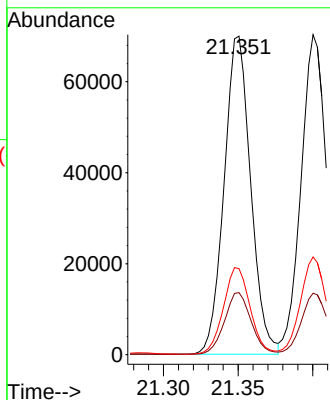
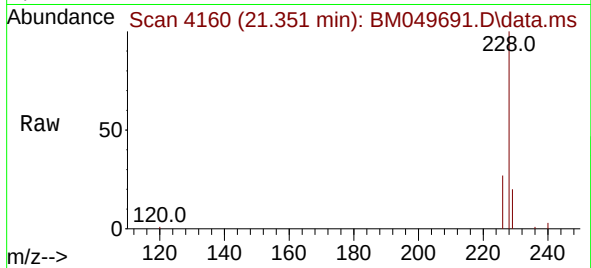




#21
Benzo(a)anthracene
Concen: 1.641 ng/ul
RT: 21.351 min Scan# 4160
Delta R.T. -0.000 min
Lab File: BM049691.D
Acq: 04 Mar 2025 11:52

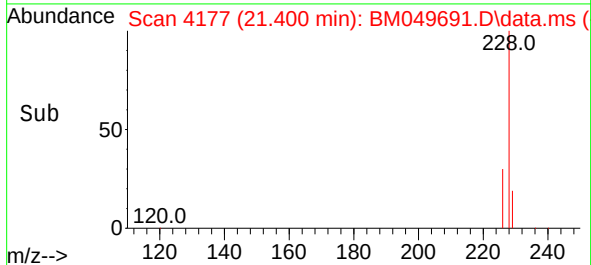
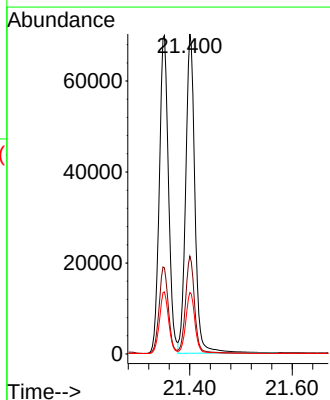
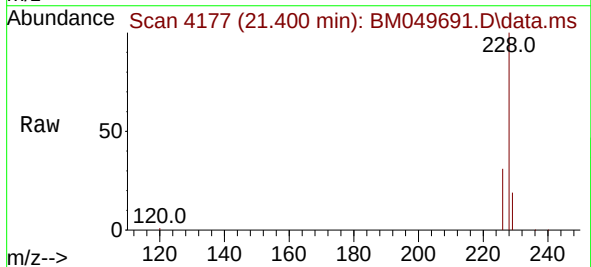
Instrument :
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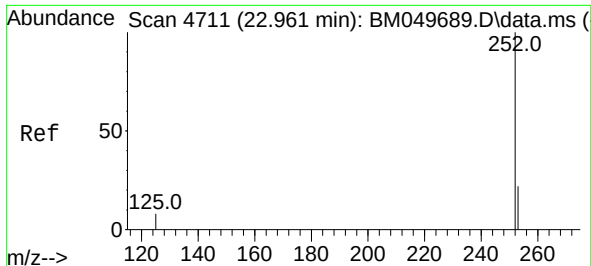
Tgt Ion:228 Resp: 86637
Ion Ratio Lower Upper
228 100
229 19.5 16.0 24.0
226 27.0 22.1 33.1



#22
Chrysene
Concen: 1.566 ng/ul
RT: 21.400 min Scan# 4177
Delta R.T. -0.003 min
Lab File: BM049691.D
Acq: 04 Mar 2025 11:52

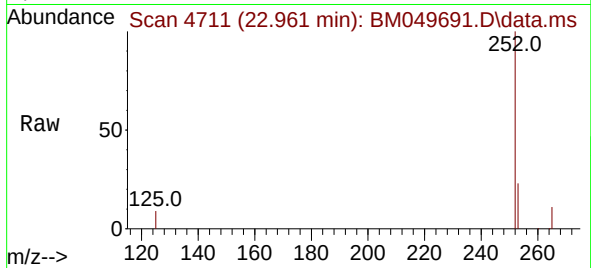
Tgt Ion:228 Resp: 87807
Ion Ratio Lower Upper
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226 30.6 24.2 36.4
229 19.2 16.0 24.0



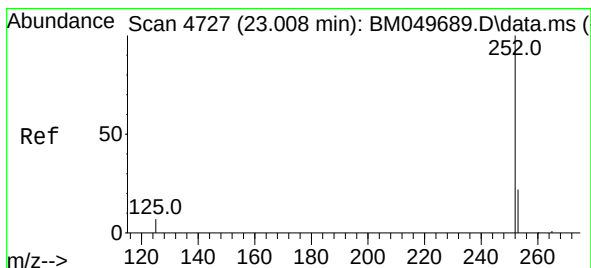
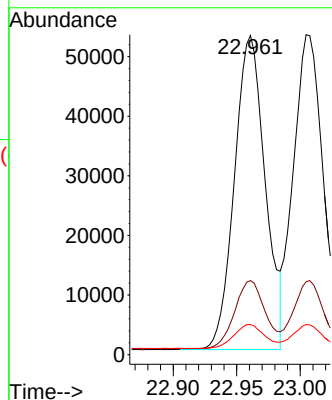


#24
Benzo(b)fluoranthene
Concen: 1.641 ng/ul
RT: 22.961 min Scan# 4711
Delta R.T. -0.000 min
Lab File: BM049691.D
Acq: 04 Mar 2025 11:52

Instrument :
BNA_M
ClientSampleId :
SSTD1.6045

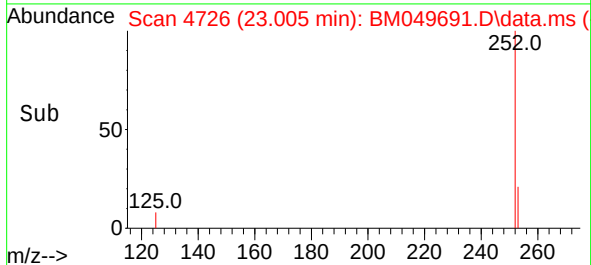
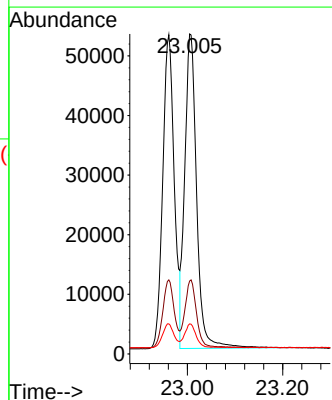
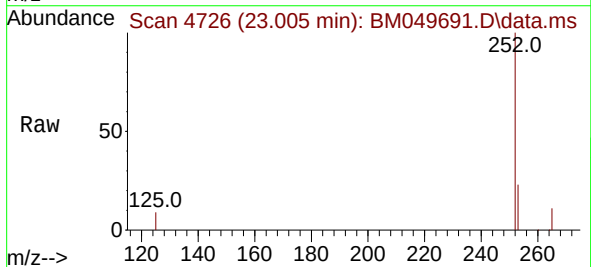


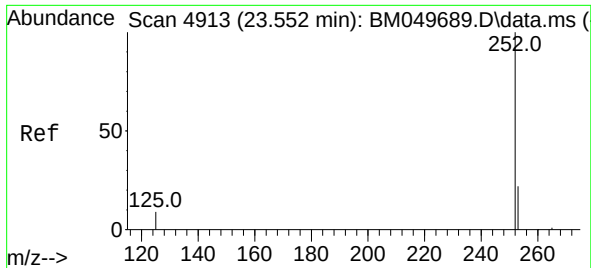
Tgt Ion:252 Resp: 88607
Ion Ratio Lower Upper
252 100
253 23.2 0.0 54.4
125 9.4 0.0 29.2



#25
Benzo(k)fluoranthene
Concen: 1.523 ng/ul
RT: 23.005 min Scan# 4726
Delta R.T. -0.003 min
Lab File: BM049691.D
Acq: 04 Mar 2025 11:52

Tgt Ion:252 Resp: 91233
Ion Ratio Lower Upper
252 100
253 22.8 22.2 33.2
125 9.4 11.7 17.5#

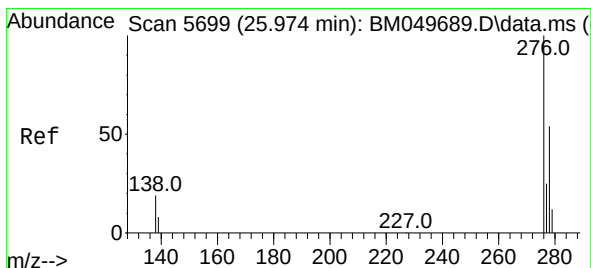
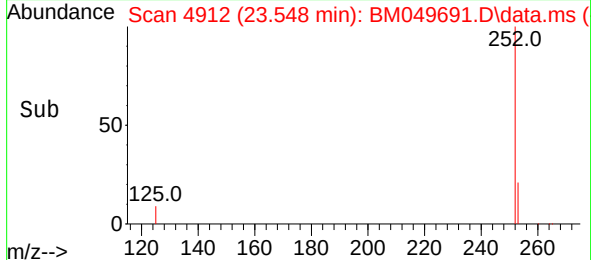
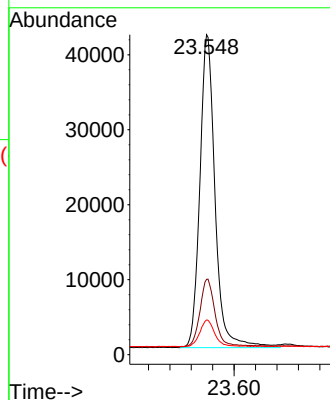
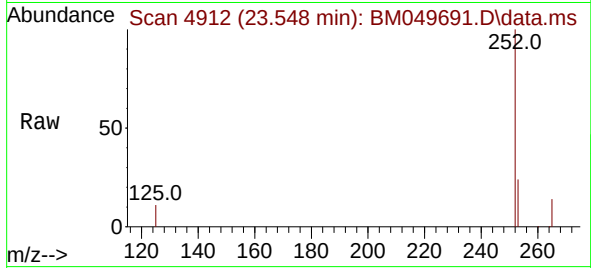




#26
Benzo(a)pyrene
Concen: 1.677 ng/ul
RT: 23.548 min Scan# 4912
Delta R.T. -0.003 min
Lab File: BM049691.D
Acq: 04 Mar 2025 11:52

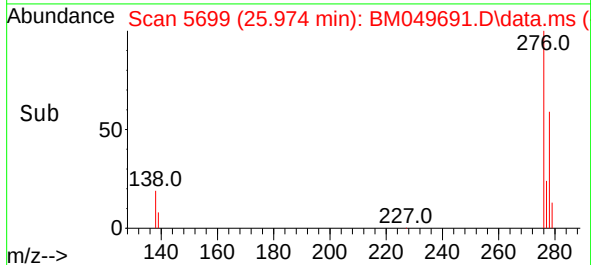
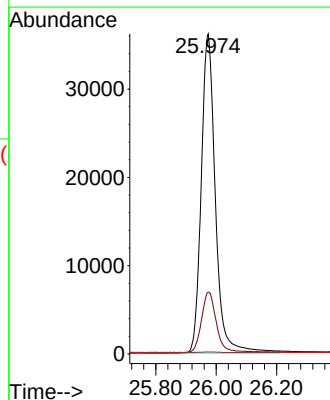
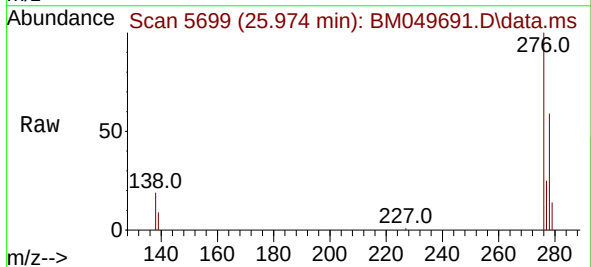
Instrument :
BNA_M
ClientSampleId :
SSTD1.6045

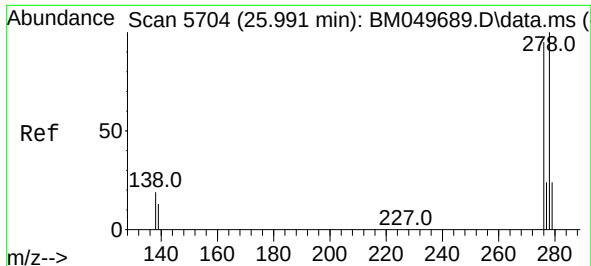
Tgt Ion:252 Resp: 82318
Ion Ratio Lower Upper
252 100
253 23.6 23.7 35.5#
125 10.9 15.0 22.4#



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.677 ng/ul
RT: 25.974 min Scan# 5699
Delta R.T. -0.000 min
Lab File: BM049691.D
Acq: 04 Mar 2025 11:52

Tgt Ion:276 Resp: 117587
Ion Ratio Lower Upper
276 100
138 20.1 16.2 24.4
227 0.2 0.1 0.1#

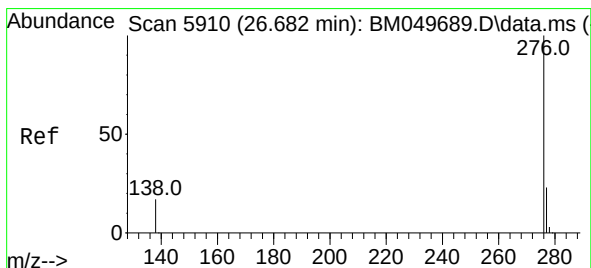
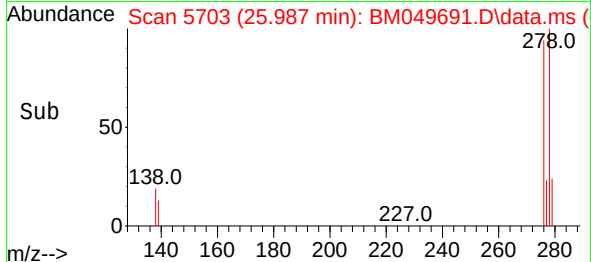
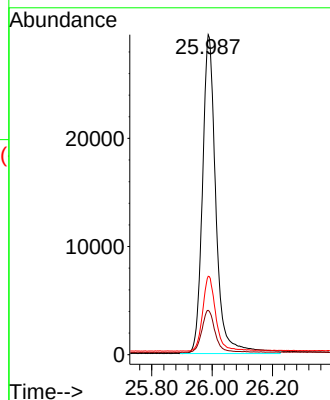
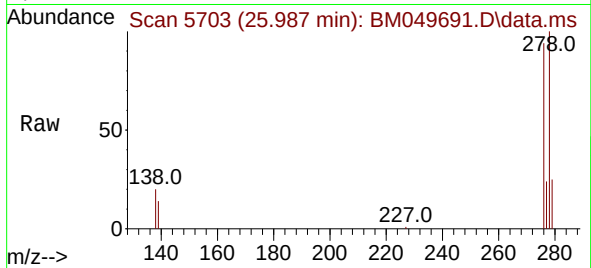




#28
Dibenzo(a,h)anthracene
Concen: 1.703 ng/ul
RT: 25.987 min Scan# 51
Delta R.T. -0.004 min
Lab File: BM049691.D
Acq: 04 Mar 2025 11:52

Instrument :
BNA_M
ClientSampleId :
SSTD1.6045

Tgt Ion:278 Resp: 91378
Ion Ratio Lower Upper
278 100
139 13.9 13.0 19.4
279 24.5 22.6 33.8



#29
Benzo(g,h,i)perylene
Concen: 1.716 ng/ul
RT: 26.681 min Scan# 5910
Delta R.T. -0.000 min
Lab File: BM049691.D
Acq: 04 Mar 2025 11:52

Tgt Ion:276 Resp: 96064
Ion Ratio Lower Upper
276 100
138 18.1 15.2 22.8
277 23.8 20.3 30.5

