

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030425\
 Data File : BM049693.D
 Acq On : 04 Mar 2025 13:11
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SICV047

Quant Time: Mar 04 14:16:53 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 13:03:01 2025
 Response via : Initial Calibration

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

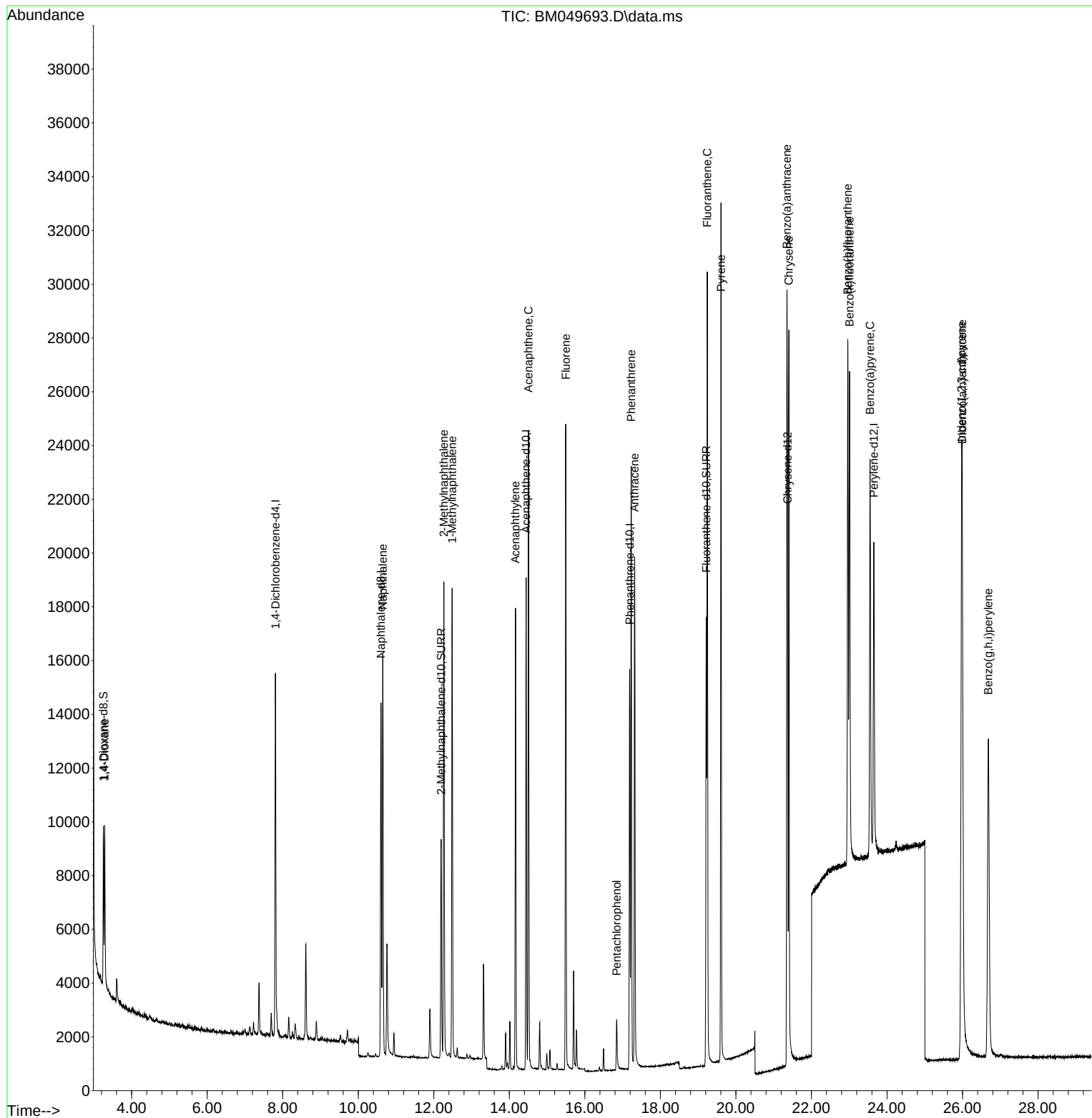
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.809	152	6917	0.400	ng/ul	0.00
4) Naphthalene-d8	10.600	136	17702	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.445	164	9771	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.186	188	18630	0.400	ng/ul	0.00
17) Chrysene-d12	21.368	240	15024	0.400	ng/ul	0.00
23) Perylene-d12	23.654	264	16302	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	3609	0.445	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.194	152	11196	0.424	ng/ul	0.00
18) Fluoranthene-d10	19.215	212	20169	0.414	ng/ul	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.286	88	3924	0.455	ng/ul	91
5) Naphthalene	10.649	128	19993	0.424	ng/ul	100
7) 2-Methylnaphthalene	12.266	142	13112	0.434	ng/ul	99
8) 1-Methylnaphthalene	12.486	142	12166	0.392	ng/ul	99
10) Acenaphthylene	14.163	152	18823	0.431	ng/ul	99
11) Acenaphthene	14.505	153	13582	0.428	ng/ul	97
12) Fluorene	15.495	166	15336	0.436	ng/ul	98
14) Pentachlorophenol	16.840	266	1639	0.415	ng/ul	97
15) Phenanthrene	17.229	178	23847	0.426	ng/ul	99
16) Anthracene	17.317	178	21577	0.426	ng/ul	100
19) Fluoranthene	19.242	202	26010	0.415	ng/ul	100
20) Pyrene	19.605	202	27295	0.414	ng/ul	100
21) Benzo(a)anthracene	21.351	228	22597	0.410	ng/ul	100
22) Chrysene	21.400	228	25235	0.429	ng/ul	100
24) Benzo(b)fluoranthene	22.961	252	24967	0.425	ng/ul	98
25) Benzo(k)fluoranthene	23.008	252	27157	0.444	ng/ul	98
26) Benzo(a)pyrene	23.551	252	24011	0.436	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	25.974	276	34425	0.440	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.994	278	26736	0.443	ng/ul	98
29) Benzo(g,h,i)perylene	26.685	276	27571	0.433	ng/ul	99

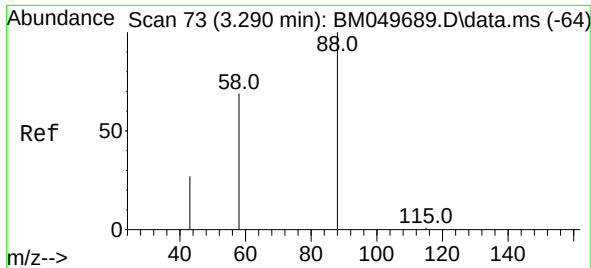
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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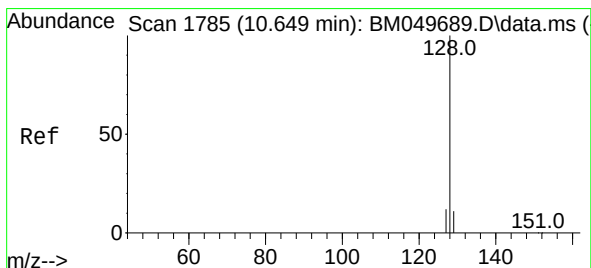
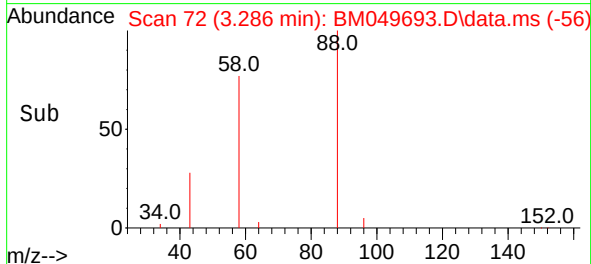
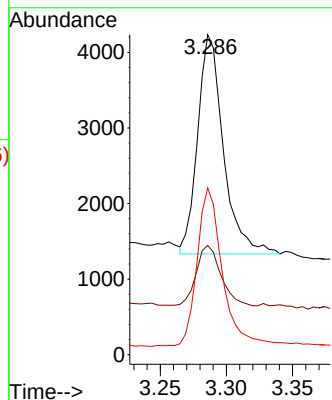
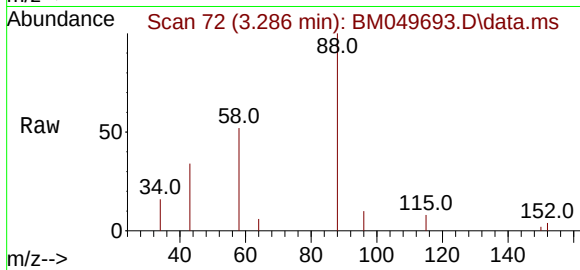




#2
1,4-Dioxane
Concen: 0.455 ng/ul
RT: 3.286 min Scan# 71
Delta R.T. -0.004 min
Lab File: BM049693.D
Acq: 04 Mar 2025 13:11

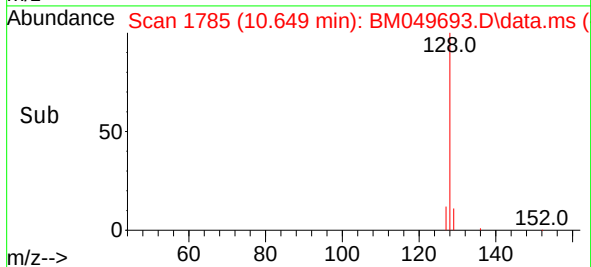
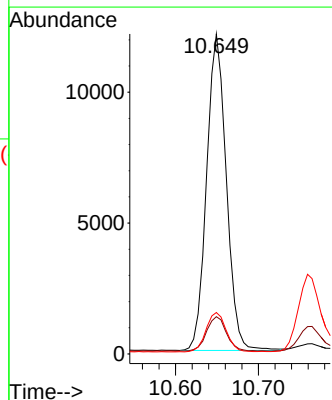
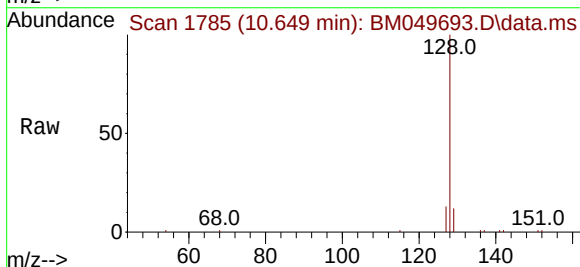
Instrument :
BNA_M
ClientSampleId :
SICV047

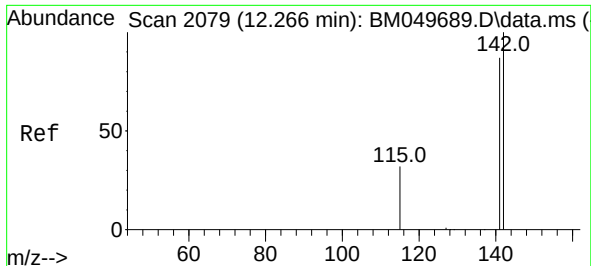
Tgt Ion: 88 Resp: 3924
Ion Ratio Lower Upper
88 100
43 34.2 32.6 49.0
58 52.2 45.9 68.9



#5
Naphthalene
Concen: 0.424 ng/ul
RT: 10.649 min Scan# 1785
Delta R.T. -0.000 min
Lab File: BM049693.D
Acq: 04 Mar 2025 13:11

Tgt Ion: 128 Resp: 19993
Ion Ratio Lower Upper
128 100
129 11.6 9.2 13.8
127 13.0 10.2 15.4

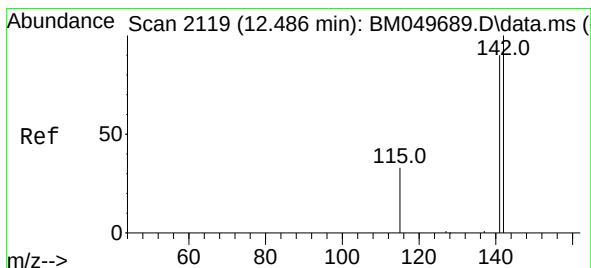
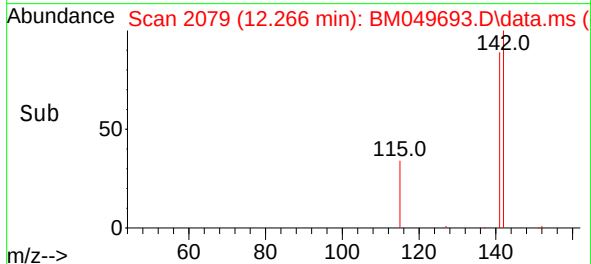
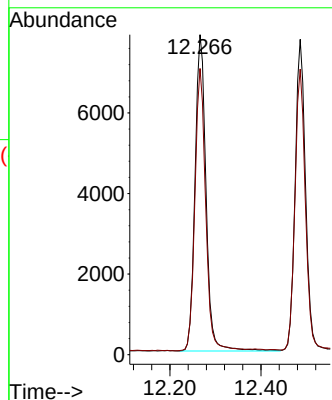
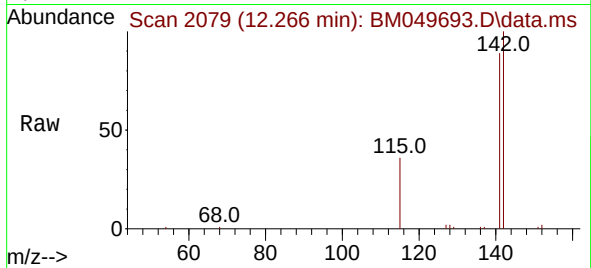




#7
2-Methylnaphthalene
Concen: 0.434 ng/ul
RT: 12.266 min Scan# 2079
Delta R.T. -0.000 min
Lab File: BM049693.D
Acq: 04 Mar 2025 13:11

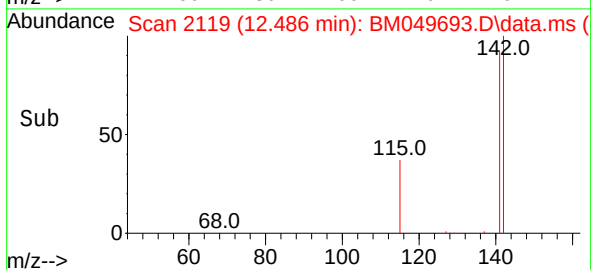
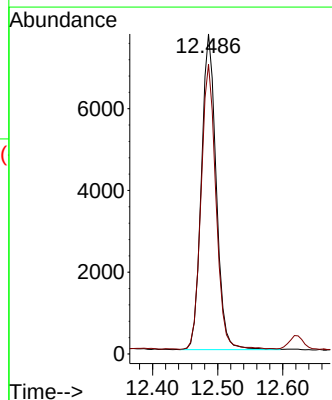
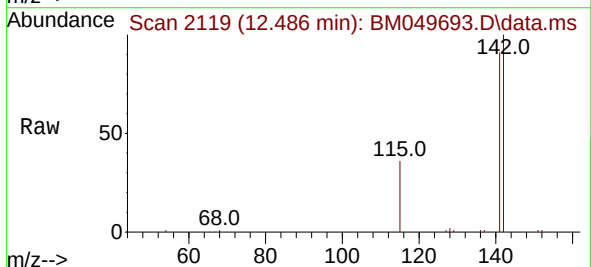
Instrument :
BNA_M
ClientSampleId :
SICV047

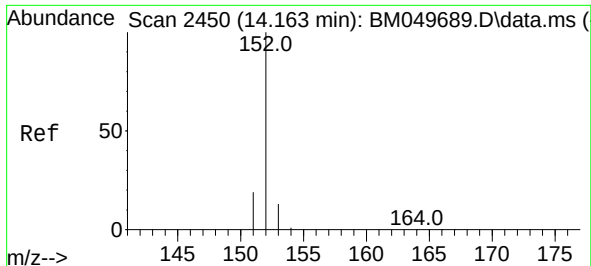
Tgt Ion:142 Resp: 13112
Ion Ratio Lower Upper
142 100
141 88.4 70.0 105.0



#8
1-Methylnaphthalene
Concen: 0.392 ng/ul
RT: 12.486 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BM049693.D
Acq: 04 Mar 2025 13:11

Tgt Ion:142 Resp: 12166
Ion Ratio Lower Upper
142 100
141 91.1 72.4 108.6

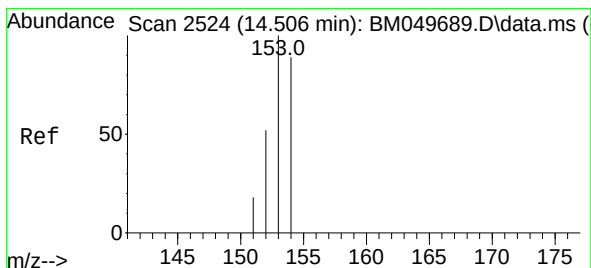
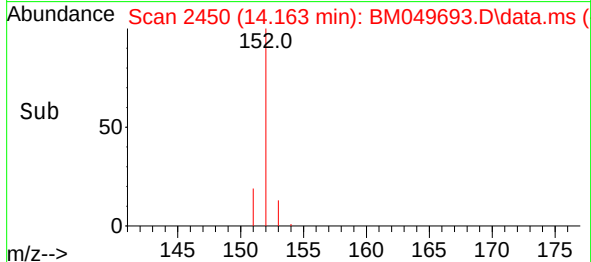
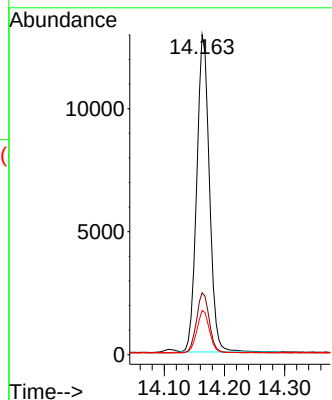
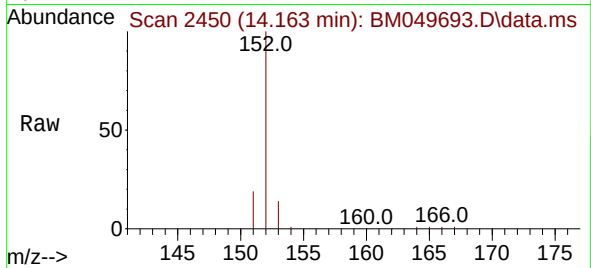




#10
Acenaphthylene
Concen: 0.431 ng/ul
RT: 14.163 min Scan# 2450
Delta R.T. -0.000 min
Lab File: BM049693.D
Acq: 04 Mar 2025 13:11

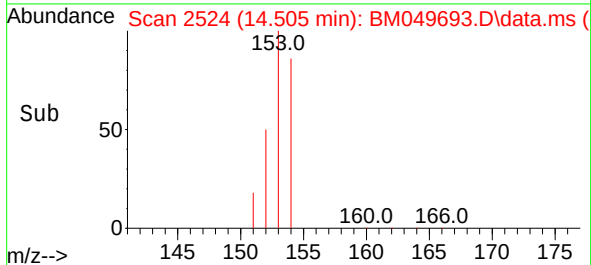
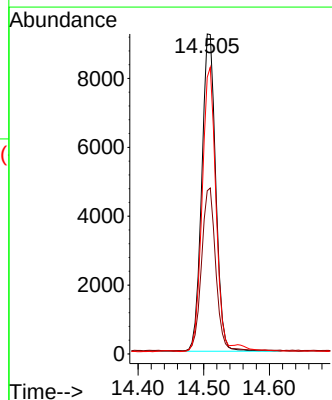
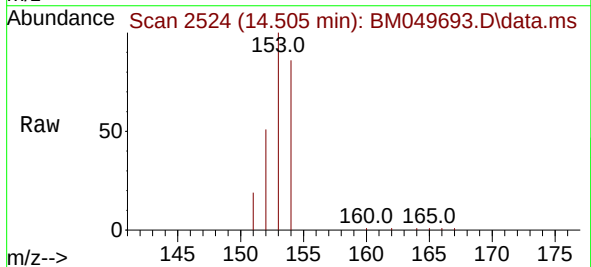
Instrument :
BNA_M
ClientSampleId :
SICV047

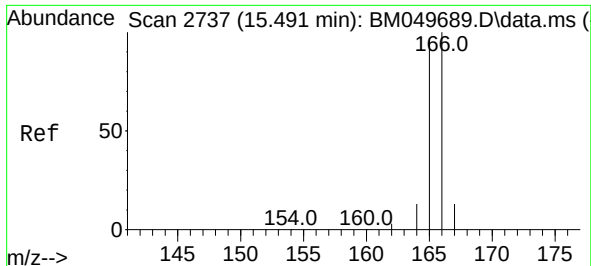
Tgt Ion:152 Resp: 18823
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.6
153 13.8 11.0 16.4



#11
Acenaphthene
Concen: 0.428 ng/ul
RT: 14.505 min Scan# 2524
Delta R.T. -0.000 min
Lab File: BM049693.D
Acq: 04 Mar 2025 13:11

Tgt Ion:153 Resp: 13582
Ion Ratio Lower Upper
153 100
152 51.0 42.0 63.0
154 86.5 71.6 107.4

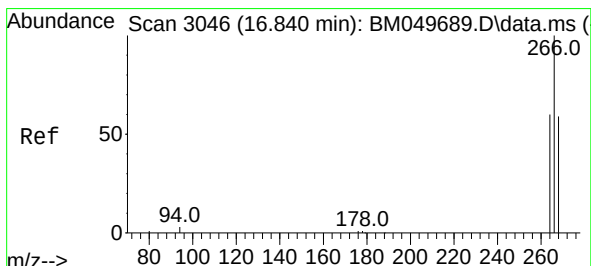
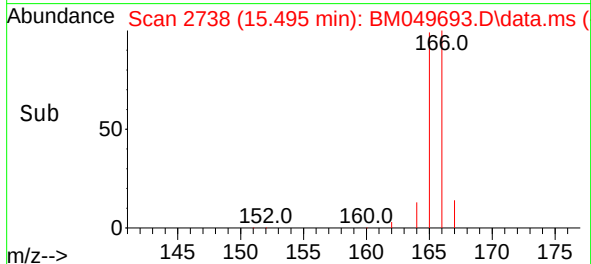
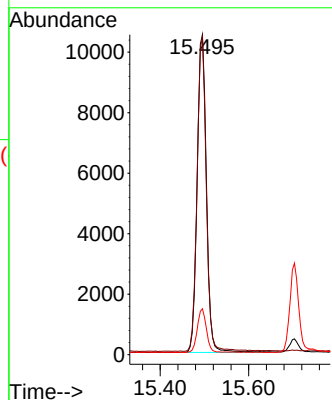
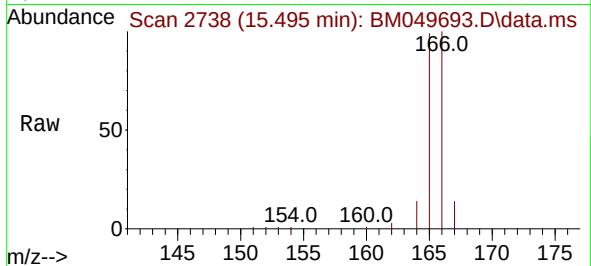




#12
 Fluorene
 Concen: 0.436 ng/ul
 RT: 15.495 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BM049693.D
 Acq: 04 Mar 2025 13:11

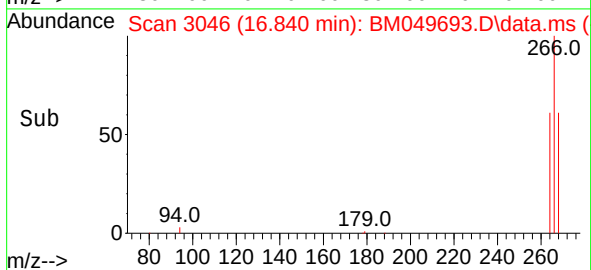
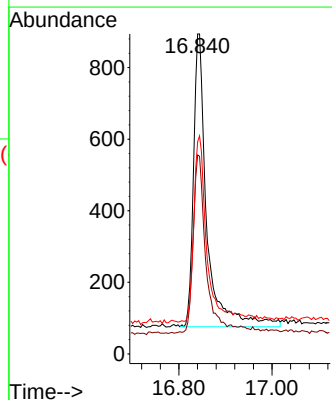
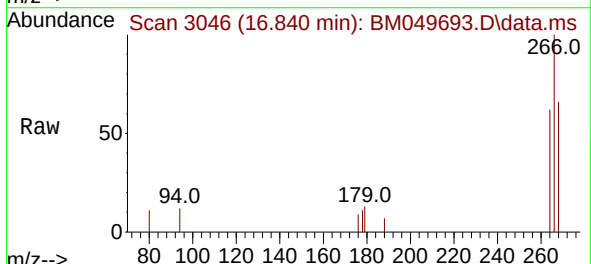
Instrument :
 BNA_M
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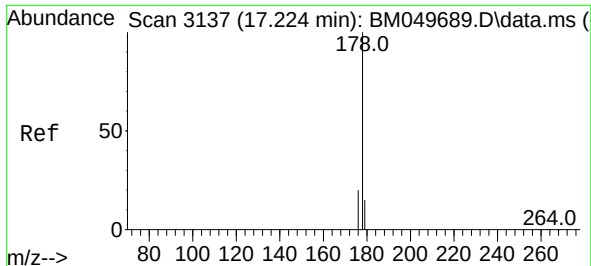
Tgt Ion:166 Resp: 15336
 Ion Ratio Lower Upper
 166 100
 165 99.4 77.6 116.4
 167 14.4 11.1 16.7



#14
 Pentachlorophenol
 Concen: 0.415 ng/ul
 RT: 16.840 min Scan# 3046
 Delta R.T. -0.000 min
 Lab File: BM049693.D
 Acq: 04 Mar 2025 13:11

Tgt Ion:266 Resp: 1639
 Ion Ratio Lower Upper
 266 100
 264 59.1 50.2 75.4
 268 64.1 49.9 74.9

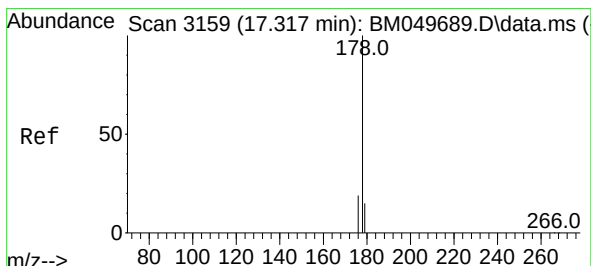
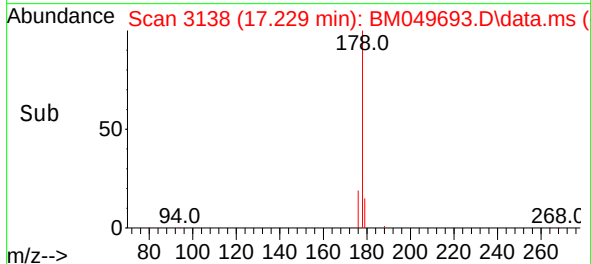
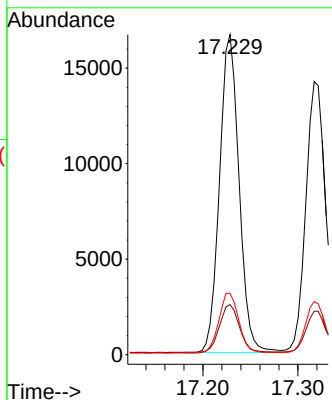
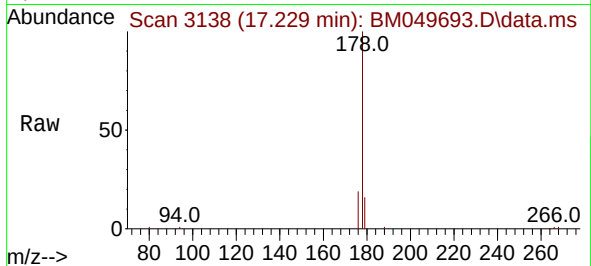




#15
Phenanthrene
Concen: 0.426 ng/ul
RT: 17.229 min Scan# 3138
Delta R.T. 0.004 min
Lab File: BM049693.D
Acq: 04 Mar 2025 13:11

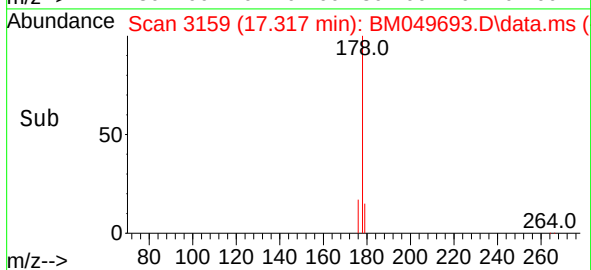
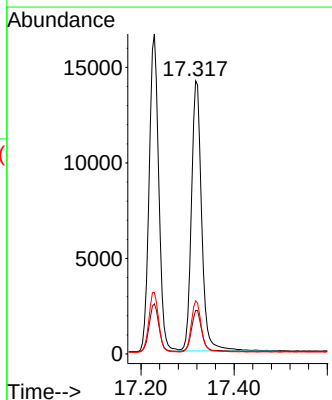
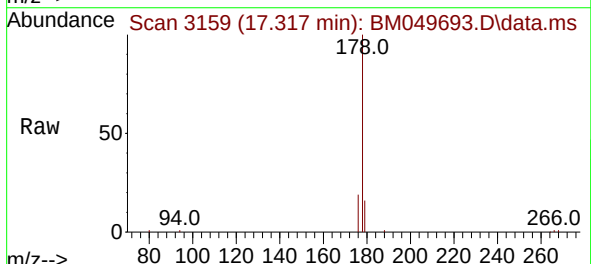
Instrument :
BNA_M
ClientSampleId :
SICV047

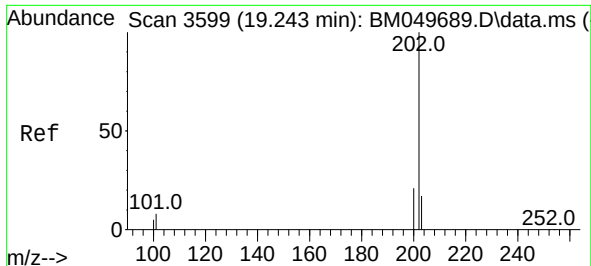
Tgt Ion:178 Resp: 23847
Ion Ratio Lower Upper
178 100
179 15.6 12.7 19.1
176 19.2 16.2 24.2



#16
Anthracene
Concen: 0.426 ng/ul
RT: 17.317 min Scan# 3159
Delta R.T. -0.000 min
Lab File: BM049693.D
Acq: 04 Mar 2025 13:11

Tgt Ion:178 Resp: 21577
Ion Ratio Lower Upper
178 100
179 15.9 12.6 19.0
176 19.5 15.5 23.3





#19

Fluoranthene

Concen: 0.415 ng/ul

RT: 19.242 min Scan# 3599

Delta R.T. -0.000 min

Lab File: BM049693.D

Acq: 04 Mar 2025 13:11

Instrument :

BNA_M

ClientSampleId :

SICV047

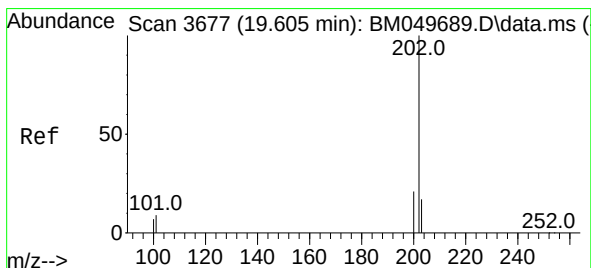
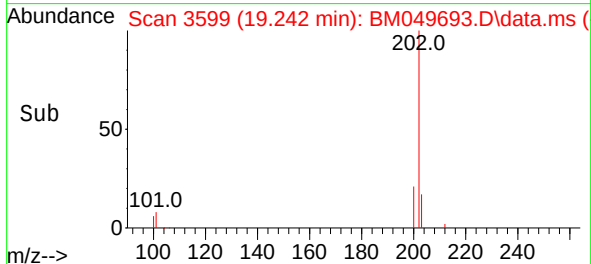
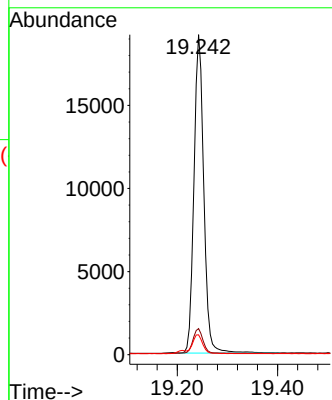
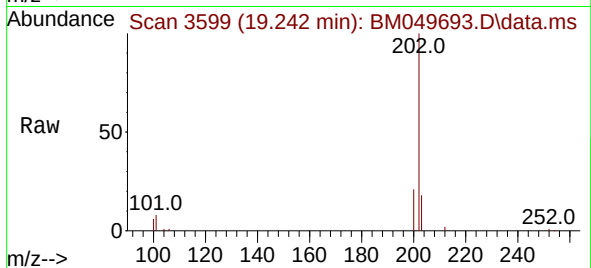
Tgt Ion:202 Resp: 26010

Ion Ratio Lower Upper

202 100

101 8.1 6.6 10.0

100 6.2 5.0 7.4



#20

Pyrene

Concen: 0.414 ng/ul

RT: 19.605 min Scan# 3677

Delta R.T. -0.000 min

Lab File: BM049693.D

Acq: 04 Mar 2025 13:11

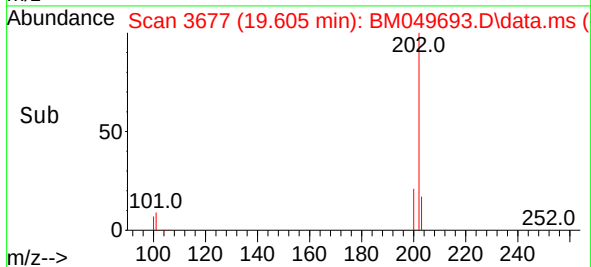
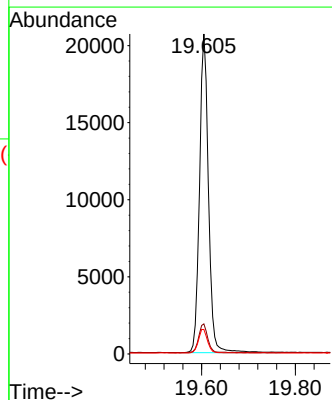
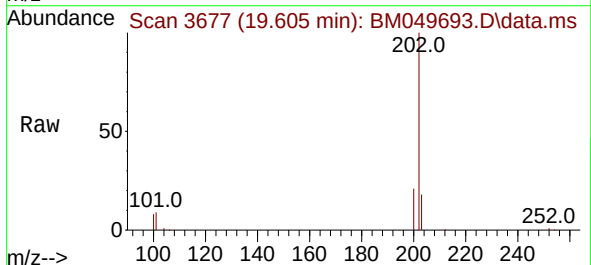
Tgt Ion:202 Resp: 27295

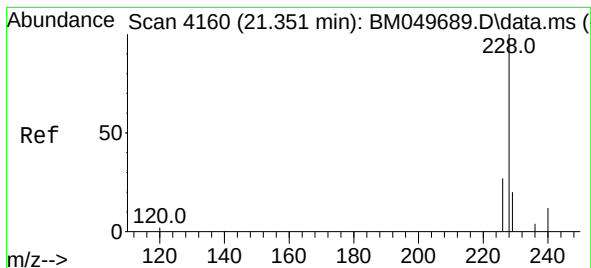
Ion Ratio Lower Upper

202 100

101 9.4 7.4 11.2

100 7.6 6.0 9.0

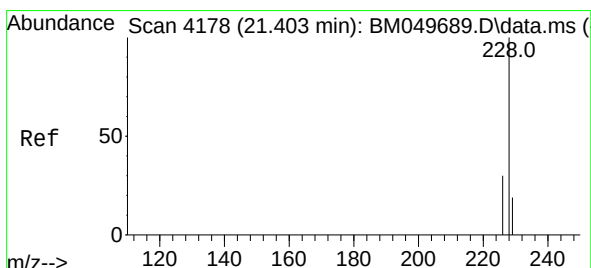
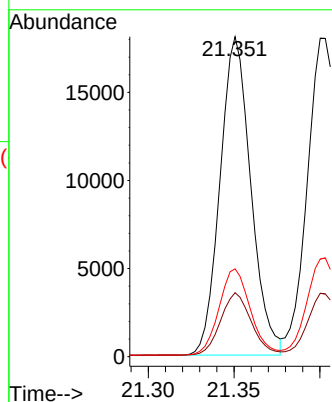
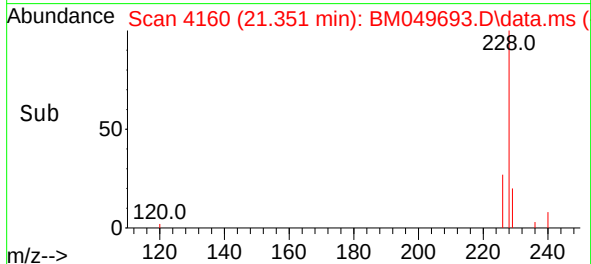
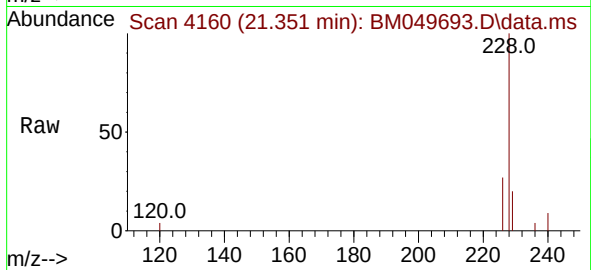




#21
Benzo(a)anthracene
Concen: 0.410 ng/ul
RT: 21.351 min Scan# 4160
Delta R.T. -0.000 min
Lab File: BM049693.D
Acq: 04 Mar 2025 13:11

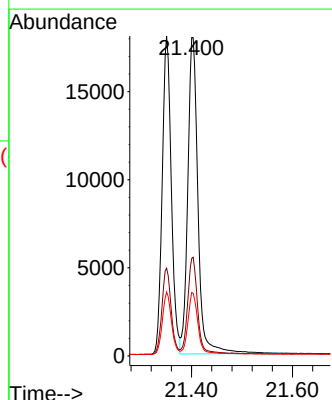
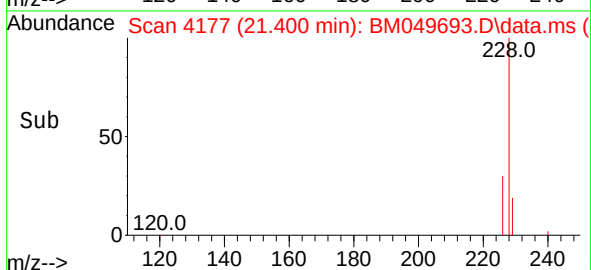
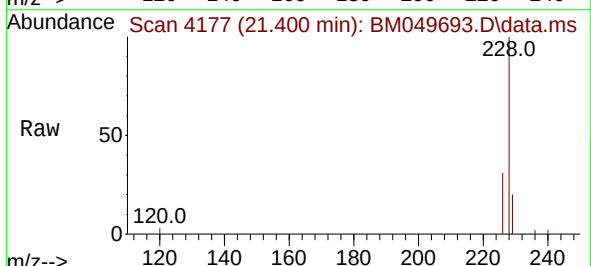
Instrument :
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ClientSampleId :
SICV047

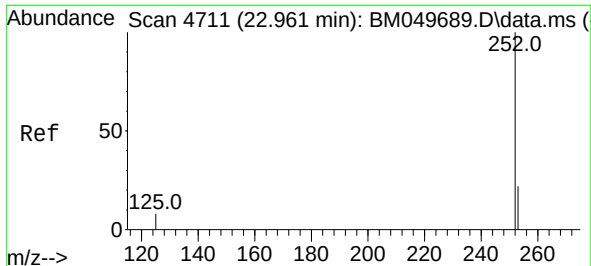
Tgt Ion:228 Resp: 22597
Ion Ratio Lower Upper
228 100
229 20.0 16.0 24.0
226 27.5 22.1 33.1



#22
Chrysene
Concen: 0.429 ng/ul
RT: 21.400 min Scan# 4177
Delta R.T. -0.003 min
Lab File: BM049693.D
Acq: 04 Mar 2025 13:11

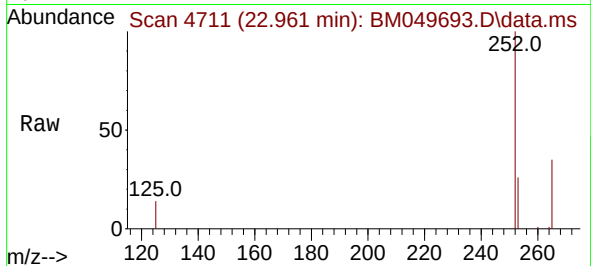
Tgt Ion:228 Resp: 25235
Ion Ratio Lower Upper
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226 30.6 24.2 36.4
229 19.9 16.0 24.0



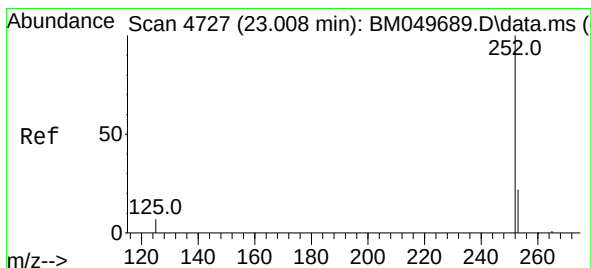
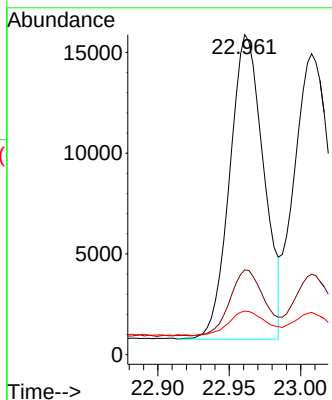


#24
Benzo(b)fluoranthene
Concen: 0.425 ng/ul
RT: 22.961 min Scan# 4711
Delta R.T. -0.000 min
Lab File: BM049693.D
Acq: 04 Mar 2025 13:11

Instrument :
BNA_M
ClientSampleId :
SICV047

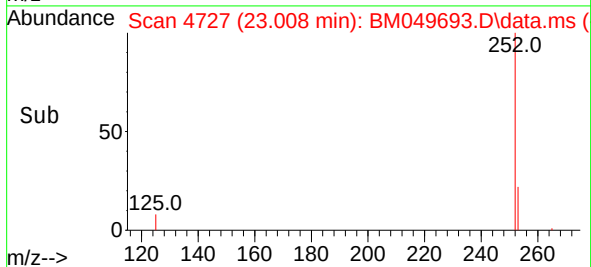
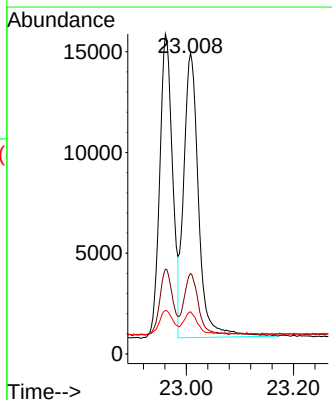
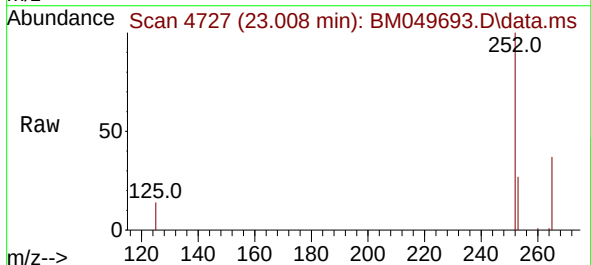


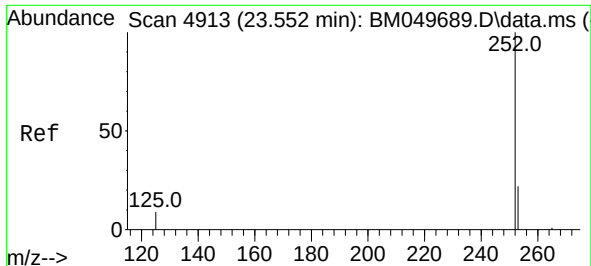
Tgt Ion:252 Resp: 24967
Ion Ratio Lower Upper
252 100
253 26.5 0.0 54.4
125 13.6 0.0 29.2



#25
Benzo(k)fluoranthene
Concen: 0.444 ng/ul
RT: 23.008 min Scan# 4727
Delta R.T. -0.000 min
Lab File: BM049693.D
Acq: 04 Mar 2025 13:11

Tgt Ion:252 Resp: 27157
Ion Ratio Lower Upper
252 100
253 26.8 22.2 33.2
125 14.0 11.7 17.5

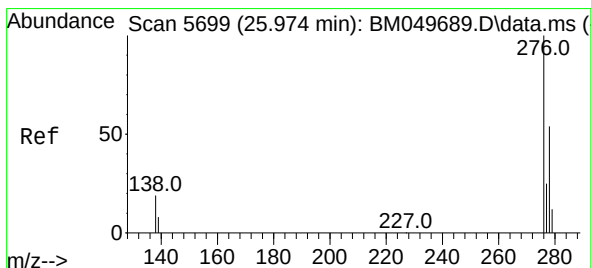
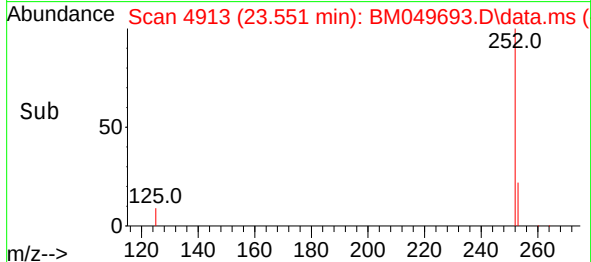
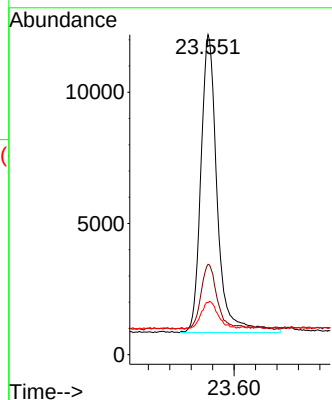
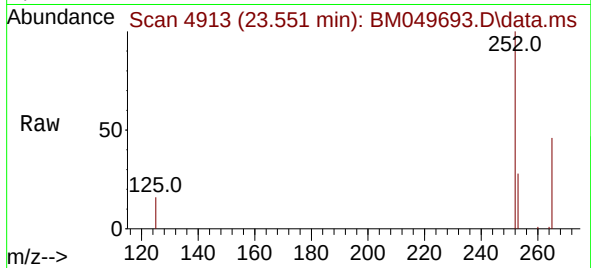




#26
Benzo(a)pyrene
Concen: 0.436 ng/ul
RT: 23.551 min Scan# 4913
Delta R.T. -0.000 min
Lab File: BM049693.D
Acq: 04 Mar 2025 13:11

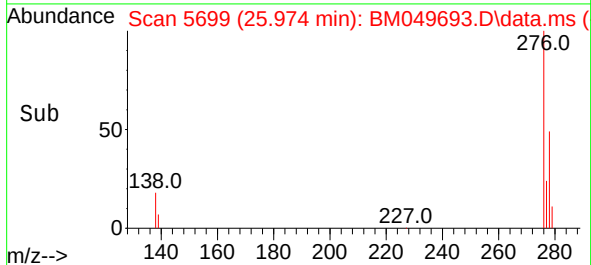
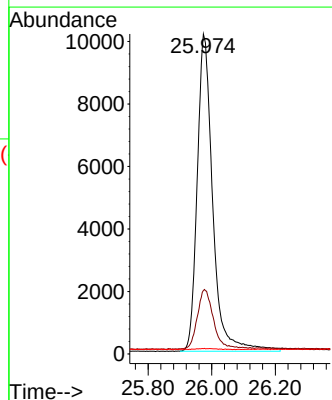
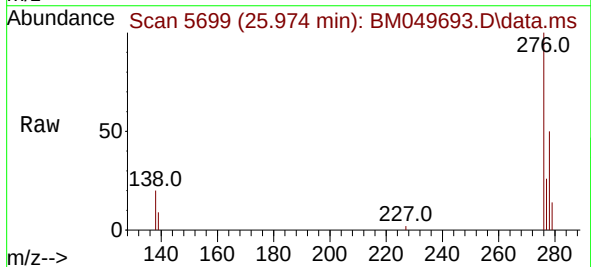
Instrument :
BNA_M
ClientSampleId :
SICV047

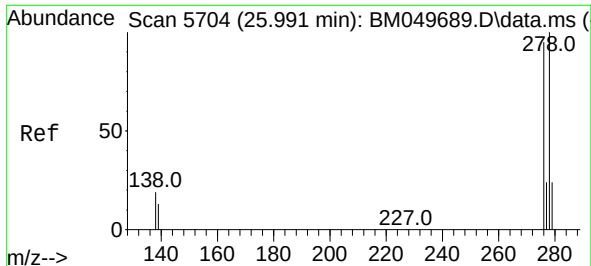
Tgt Ion:252 Resp: 24011
Ion Ratio Lower Upper
252 100
253 28.2 23.7 35.5
125 16.2 15.0 22.4



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.440 ng/ul
RT: 25.974 min Scan# 5699
Delta R.T. -0.000 min
Lab File: BM049693.D
Acq: 04 Mar 2025 13:11

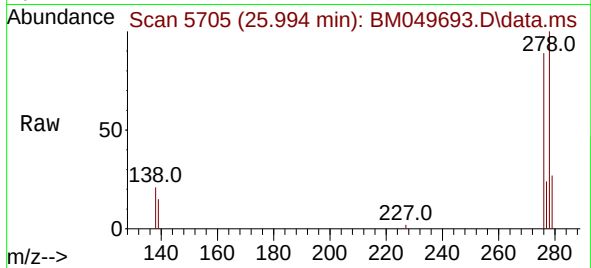
Tgt Ion:276 Resp: 34425
Ion Ratio Lower Upper
276 100
138 19.3 16.2 24.4
227 0.3 0.1 0.1#



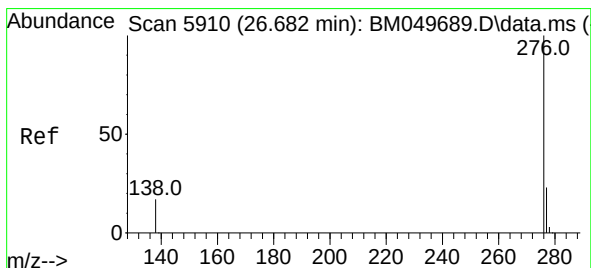
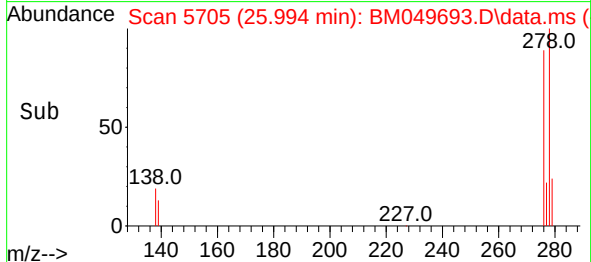
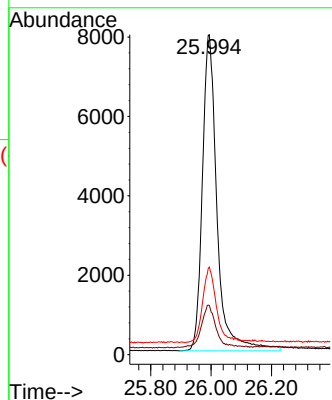


#28
Dibenzo(a,h)anthracene
Concen: 0.443 ng/ul
RT: 25.994 min Scan# 51
Delta R.T. 0.003 min
Lab File: BM049693.D
Acq: 04 Mar 2025 13:11

Instrument :
BNA_M
ClientSampleId :
SICV047



Tgt Ion:278 Resp: 26736
Ion Ratio Lower Upper
278 100
139 15.4 13.0 19.4
279 27.4 22.6 33.8



#29
Benzo(g,h,i)perylene
Concen: 0.433 ng/ul
RT: 26.685 min Scan# 5911
Delta R.T. 0.003 min
Lab File: BM049693.D
Acq: 04 Mar 2025 13:11

Tgt Ion:276 Resp: 27571
Ion Ratio Lower Upper
276 100
138 18.3 15.2 22.8
277 25.3 20.3 30.5

