

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030425\
 Data File : BM049689.D
 Acq On : 04 Mar 2025 10:41
 Operator : RC/JU
 Sample : SST00.4056
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST00.4043

Quant Time: Mar 04 11:59:26 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)

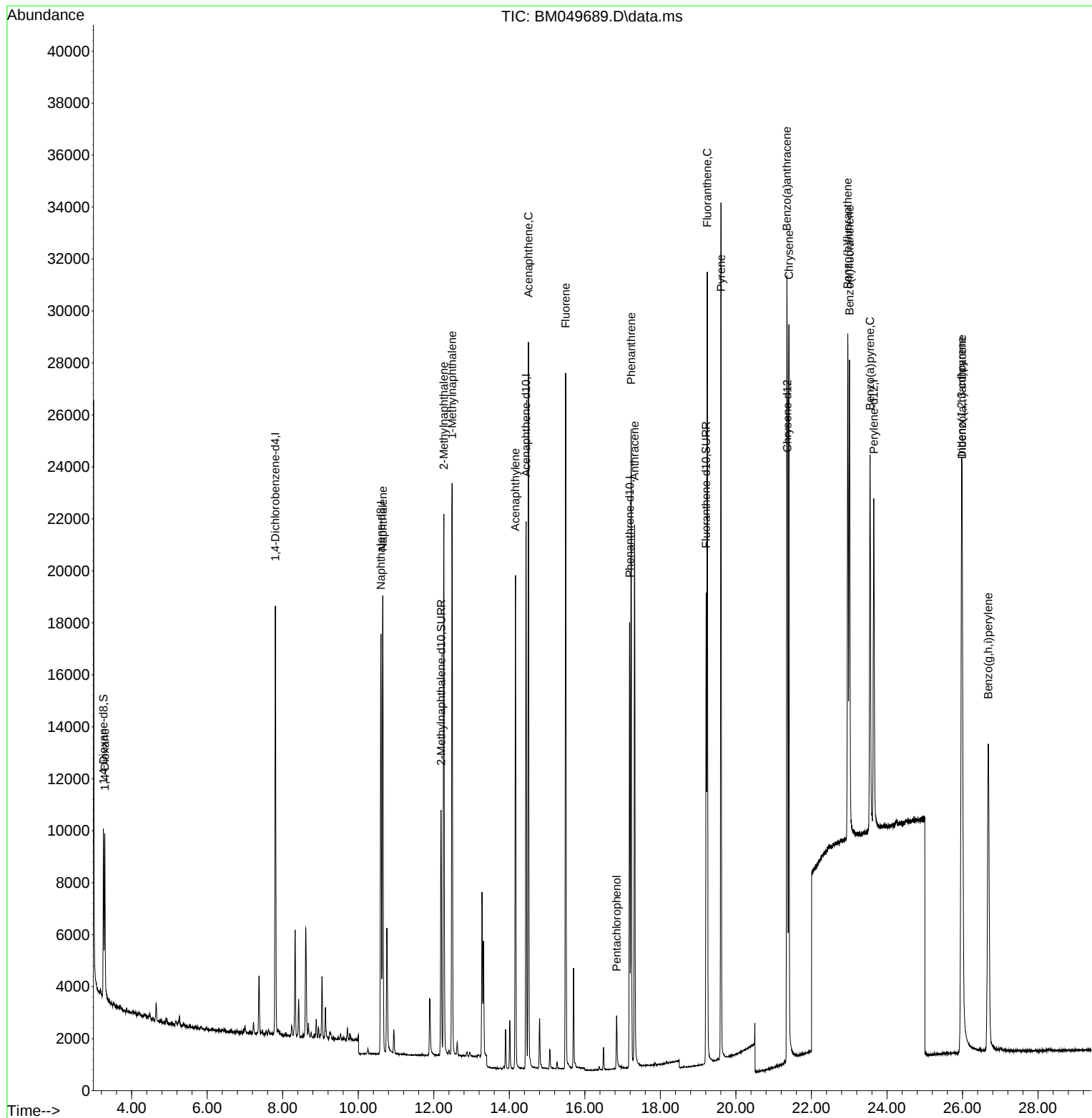
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	8374	0.400	ng/ul	0.00
4) Naphthalene-d8	10.600	136	21842	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.445	164	11768	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.186	188	21261	0.400	ng/ul	0.00
17) Chrysene-d12	21.365	240	16005	0.400	ng/ul	0.00
23) Perylene-d12	23.651	264	17510	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	4117	0.436	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.195	152	13128	0.435	ng/ul	0.00
18) Fluoranthene-d10	19.210	212	21160	0.432	ng/ul	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.290	88	4135	0.410	ng/ul	100
5) Naphthalene	10.649	128	23506	0.433	ng/ul	100
7) 2-Methylnaphthalene	12.266	142	15171	0.429	ng/ul	100
8) 1-Methylnaphthalene	12.486	142	15507	0.431	ng/ul	100
10) Acenaphthylene	14.163	152	21302	0.426	ng/ul	100
11) Acenaphthene	14.506	153	15435	0.424	ng/ul	100
12) Fluorene	15.491	166	17114	0.414	ng/ul	100
14) Pentachlorophenol	16.840	266	1784	0.415	ng/ul	100
15) Phenanthrene	17.224	178	25616	0.444	ng/ul	100
16) Anthracene	17.317	178	23306	0.442	ng/ul	100
19) Fluoranthene	19.243	202	27101	0.413	ng/ul	100
20) Pyrene	19.605	202	28589	0.420	ng/ul	100
21) Benzo(a)anthracene	21.351	228	23420	0.425	ng/ul	100
22) Chrysene	21.403	228	25099	0.429	ng/ul	100
24) Benzo(b)fluoranthene	22.961	252	24962	0.425	ng/ul	100
25) Benzo(k)fluoranthene	23.008	252	26265	0.403	ng/ul	100
26) Benzo(a)pyrene	23.552	252	23848	0.447	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	25.974	276	33525	0.440	ng/ul	100
28) Dibenzo(a,h)anthracene	25.991	278	25979	0.445	ng/ul	100
29) Benzo(g,h,i)perylene	26.682	276	27257	0.448	ng/ul	100

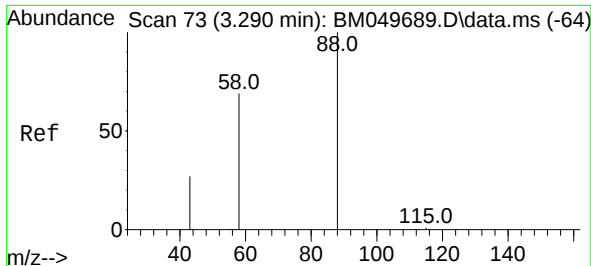
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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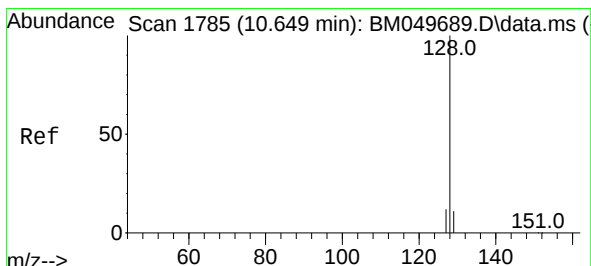
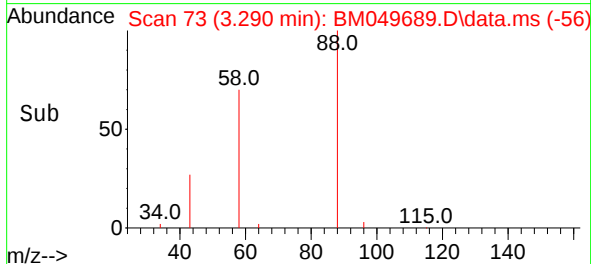
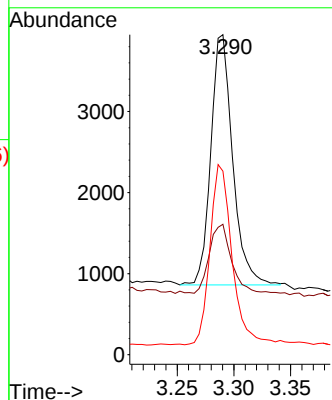
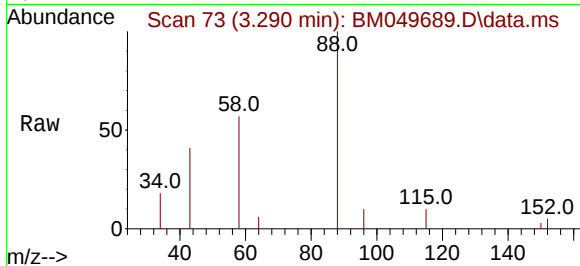




#2
1,4-Dioxane
Concen: 0.410 ng/ul
RT: 3.290 min Scan# 74
Delta R.T. 0.000 min
Lab File: BM049689.D
Acq: 04 Mar 2025 10:41

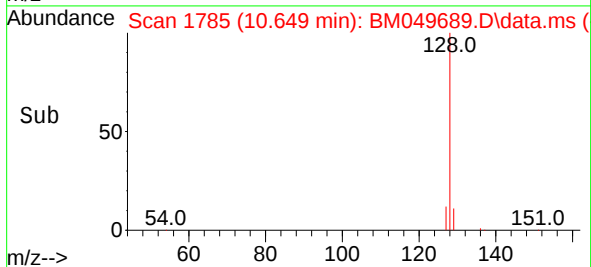
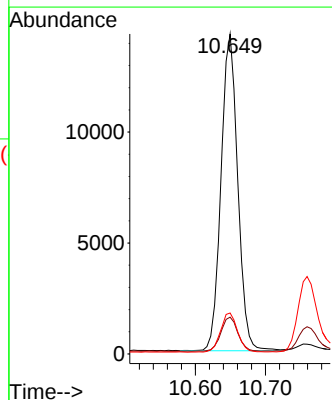
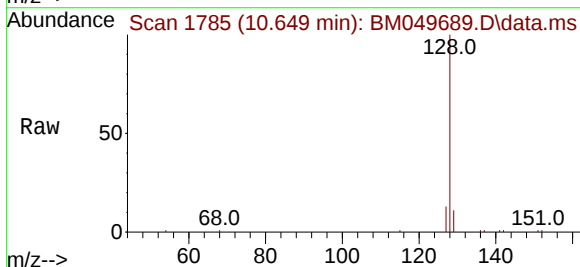
Instrument :
BNA_M
ClientSampleId :
SSTD0.4043

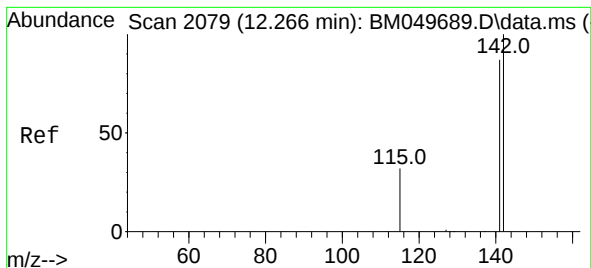
Tgt Ion: 88 Resp: 4135
Ion Ratio Lower Upper
88 100
43 40.8 32.6 49.0
58 57.4 45.9 68.9



#5
Naphthalene
Concen: 0.433 ng/ul
RT: 10.649 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BM049689.D
Acq: 04 Mar 2025 10:41

Tgt Ion: 128 Resp: 23506
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 12.8 10.2 15.4

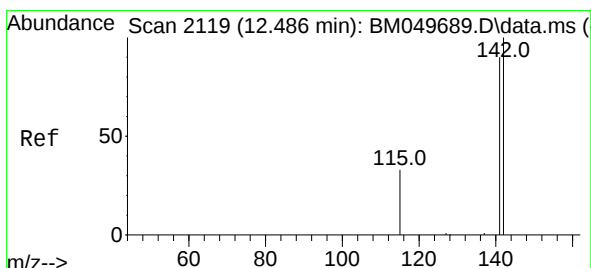
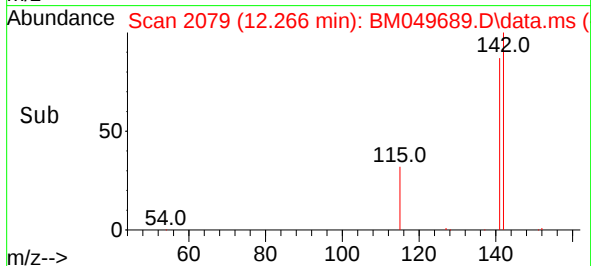
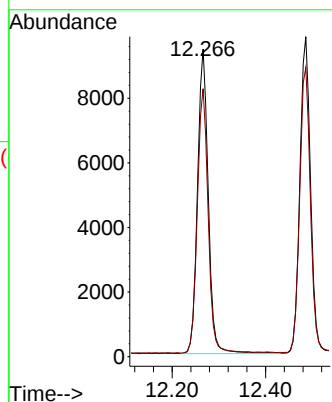
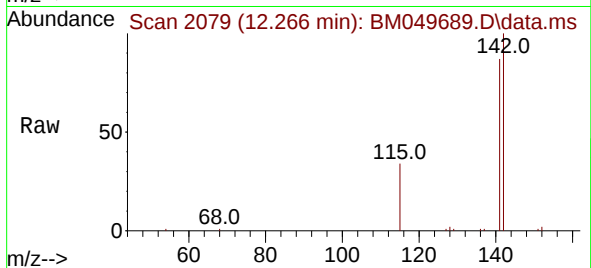




#7
2-Methylnaphthalene
Concen: 0.429 ng/ul
RT: 12.266 min Scan# 2079
Delta R.T. 0.000 min
Lab File: BM049689.D
Acq: 04 Mar 2025 10:41

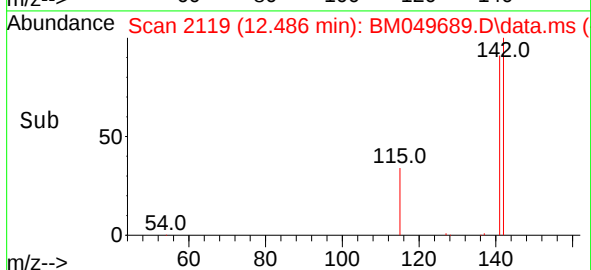
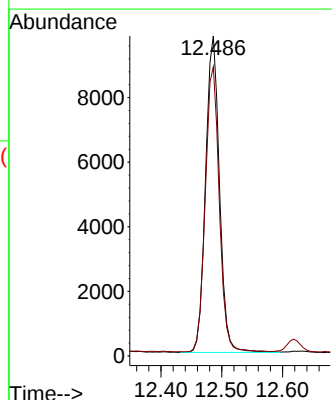
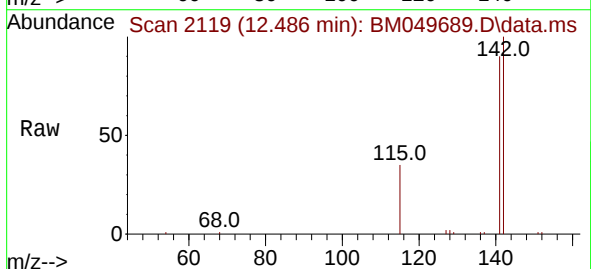
Instrument :
BNA_M
ClientSampleId :
SSTD0.4043

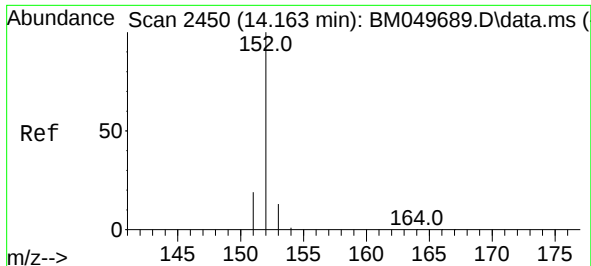
Tgt Ion:142 Resp: 15171
Ion Ratio Lower Upper
142 100
141 87.5 70.0 105.0



#8
1-Methylnaphthalene
Concen: 0.431 ng/ul
RT: 12.486 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BM049689.D
Acq: 04 Mar 2025 10:41

Tgt Ion:142 Resp: 15507
Ion Ratio Lower Upper
142 100
141 90.6 72.4 108.6

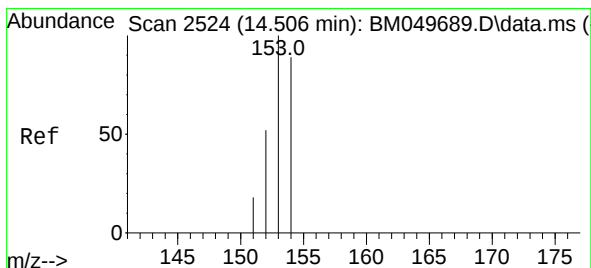
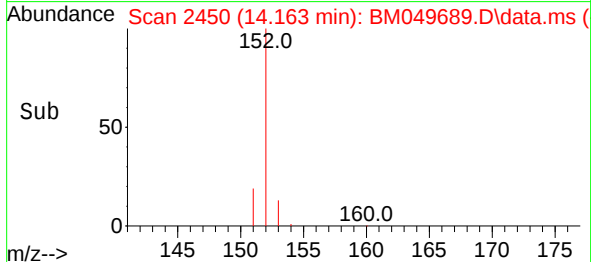
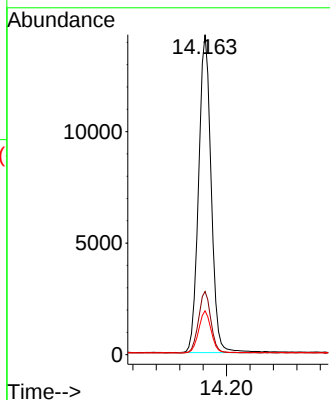
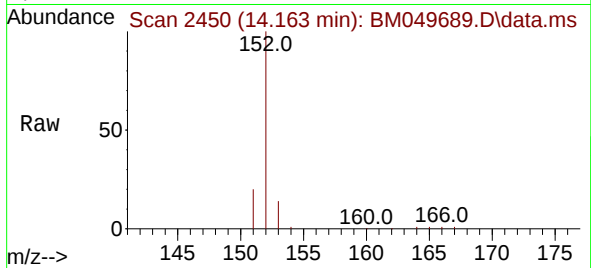




#10
Acenaphthylene
Concen: 0.426 ng/ul
RT: 14.163 min Scan# 2450
Delta R.T. 0.000 min
Lab File: BM049689.D
Acq: 04 Mar 2025 10:41

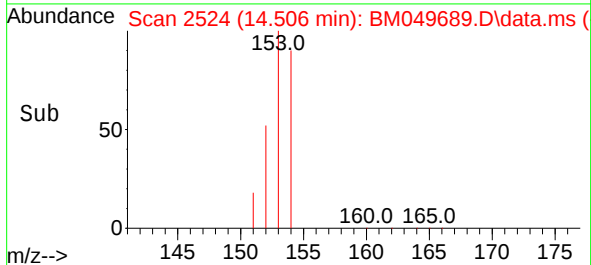
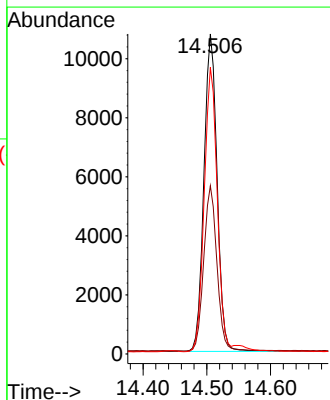
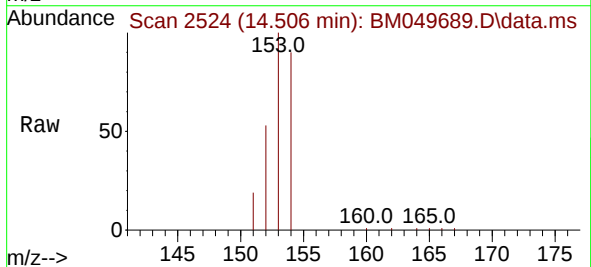
Instrument :
BNA_M
ClientSampleId :
SSTD0.4043

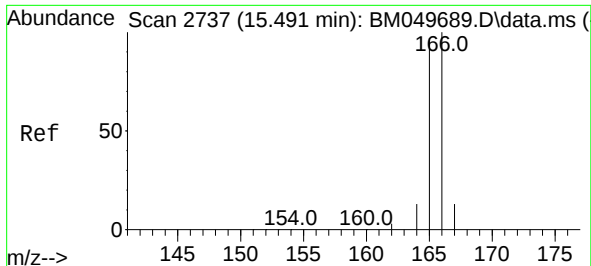
Tgt Ion:152 Resp: 21302
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.7 11.0 16.4



#11
Acenaphthene
Concen: 0.424 ng/ul
RT: 14.506 min Scan# 2524
Delta R.T. 0.000 min
Lab File: BM049689.D
Acq: 04 Mar 2025 10:41

Tgt Ion:153 Resp: 15435
Ion Ratio Lower Upper
153 100
152 52.5 42.0 63.0
154 89.5 71.6 107.4

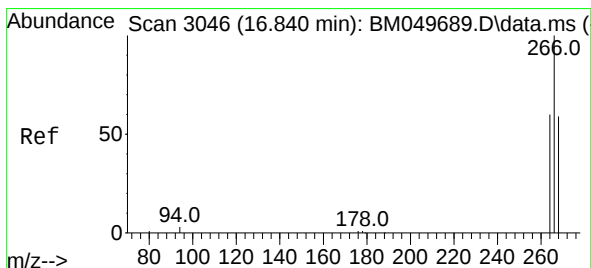
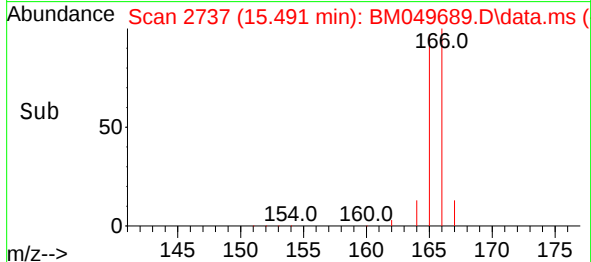
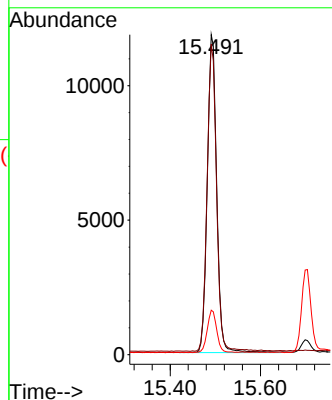
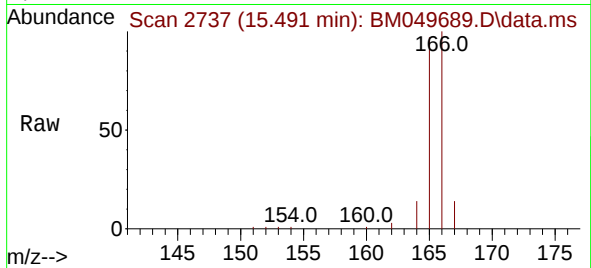




#12
Fluorene
Concen: 0.414 ng/ul
RT: 15.491 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049689.D
Acq: 04 Mar 2025 10:41

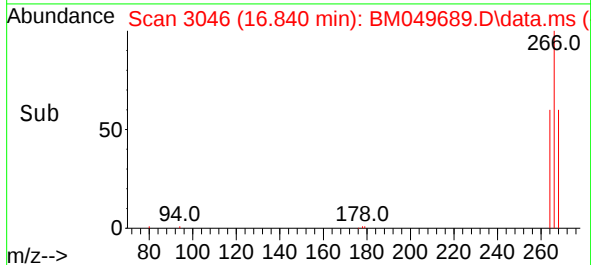
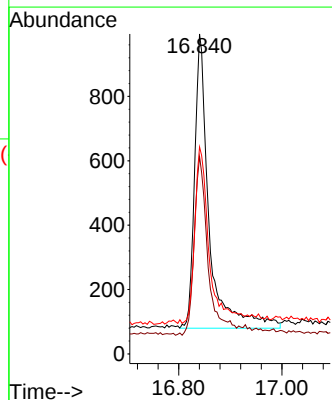
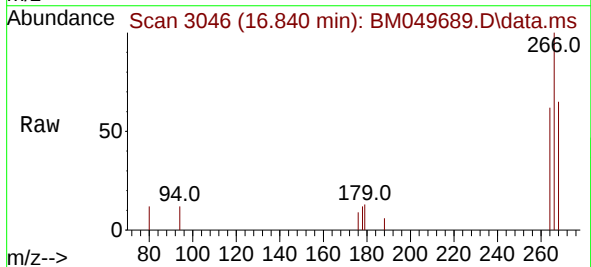
Instrument :
BNA_M
ClientSampleId :
SSTD0.4043

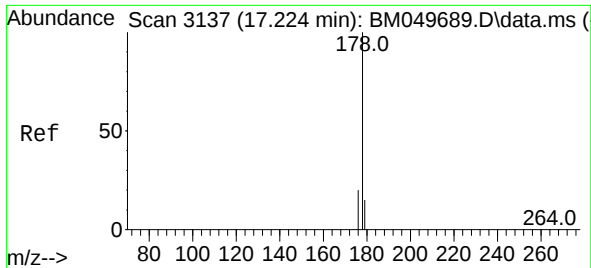
Tgt Ion:166 Resp: 17114
Ion Ratio Lower Upper
166 100
165 97.0 77.6 116.4
167 13.9 11.1 16.7



#14
Pentachlorophenol
Concen: 0.415 ng/ul
RT: 16.840 min Scan# 3046
Delta R.T. 0.000 min
Lab File: BM049689.D
Acq: 04 Mar 2025 10:41

Tgt Ion:266 Resp: 1784
Ion Ratio Lower Upper
266 100
264 62.8 50.2 75.4
268 62.4 49.9 74.9

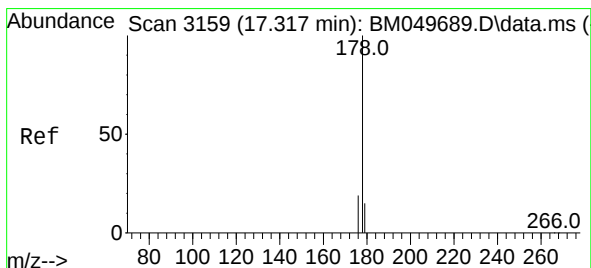
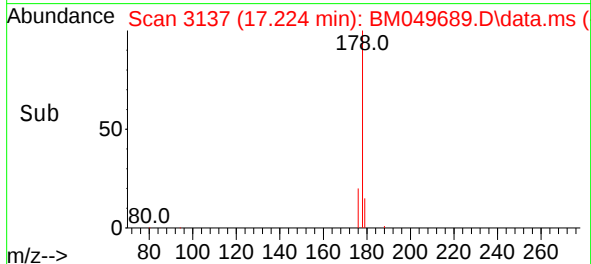
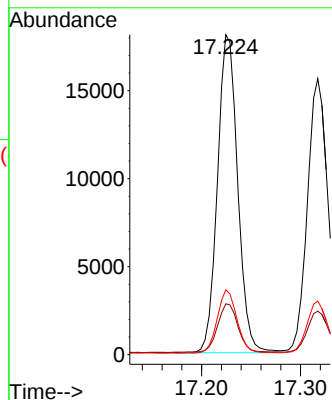
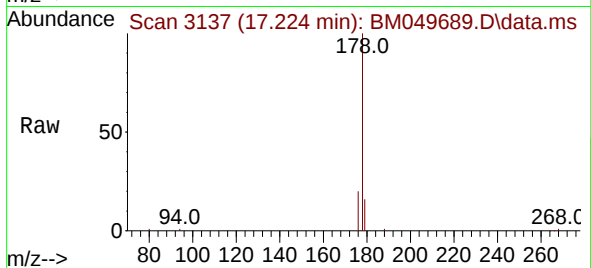




#15
Phenanthrene
Concen: 0.444 ng/ul
RT: 17.224 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BM049689.D
Acq: 04 Mar 2025 10:41

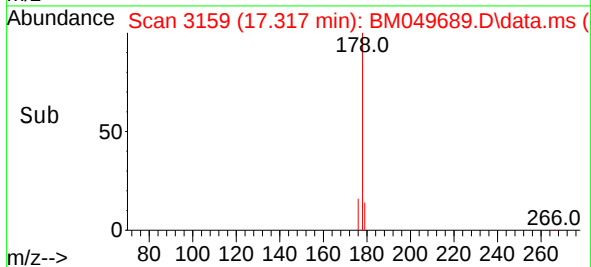
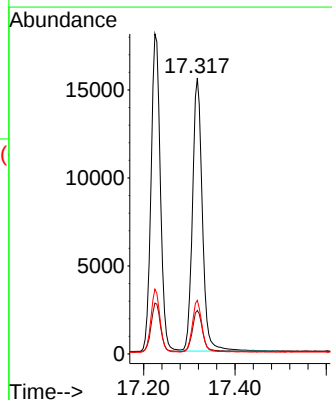
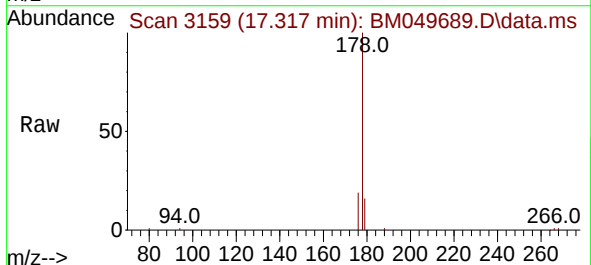
Instrument :
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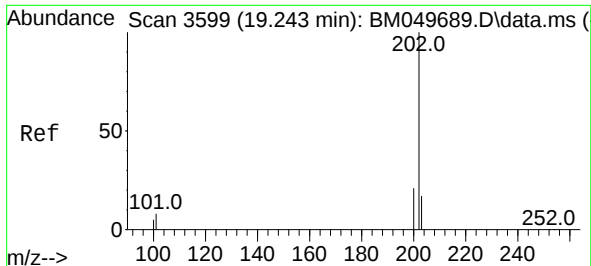
Tgt Ion:178 Resp: 25616
Ion Ratio Lower Upper
178 100
179 15.9 12.7 19.1
176 20.2 16.2 24.2



#16
Anthracene
Concen: 0.442 ng/ul
RT: 17.317 min Scan# 3159
Delta R.T. 0.000 min
Lab File: BM049689.D
Acq: 04 Mar 2025 10:41

Tgt Ion:178 Resp: 23306
Ion Ratio Lower Upper
178 100
179 15.8 12.6 19.0
176 19.4 15.5 23.3





#19

Fluoranthene

Concen: 0.413 ng/ul

RT: 19.243 min Scan# 3599

Delta R.T. 0.000 min

Lab File: BM049689.D

Acq: 04 Mar 2025 10:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.4043

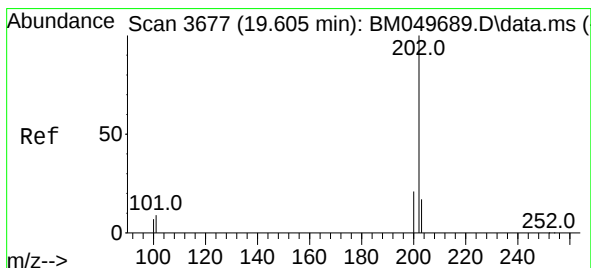
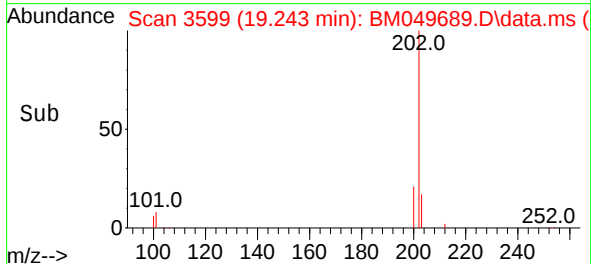
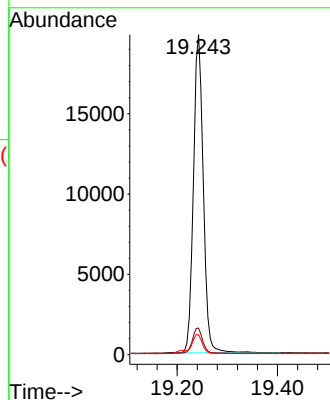
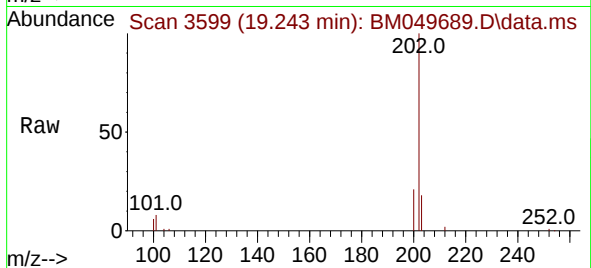
Tgt Ion:202 Resp: 27101

Ion Ratio Lower Upper

202 100

101 8.3 6.6 10.0

100 6.2 5.0 7.4



#20

Pyrene

Concen: 0.420 ng/ul

RT: 19.605 min Scan# 3677

Delta R.T. 0.000 min

Lab File: BM049689.D

Acq: 04 Mar 2025 10:41

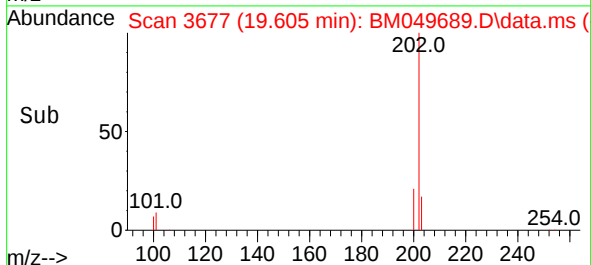
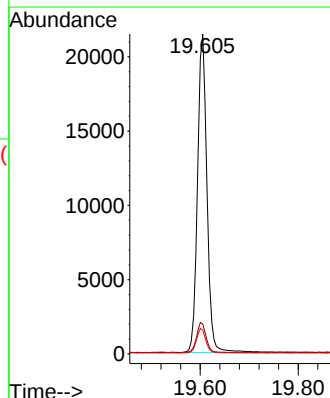
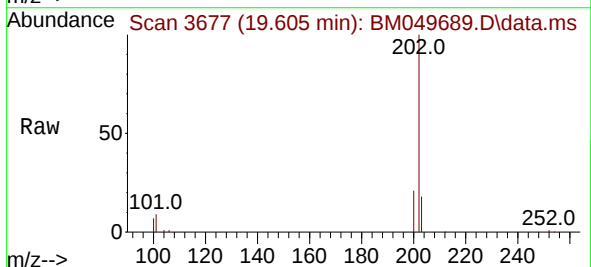
Tgt Ion:202 Resp: 28589

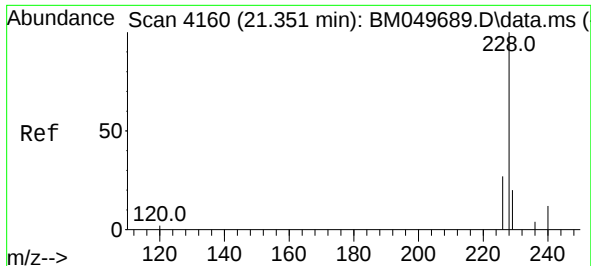
Ion Ratio Lower Upper

202 100

101 9.3 7.4 11.2

100 7.5 6.0 9.0

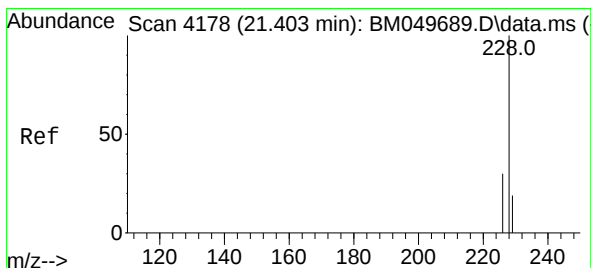
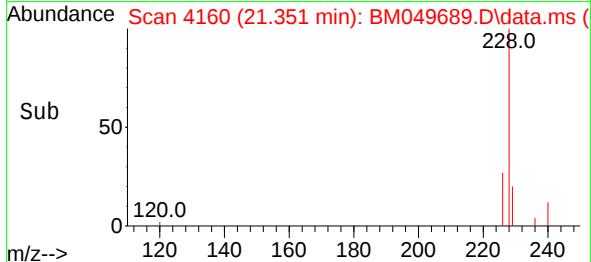
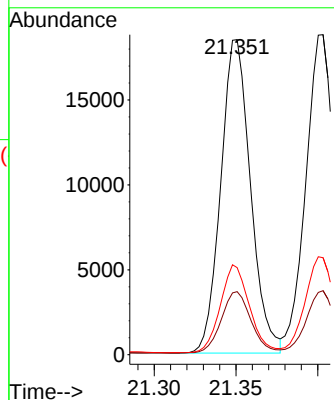
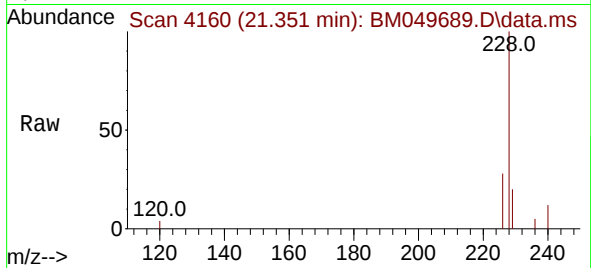




#21
Benzo(a)anthracene
Concen: 0.425 ng/ul
RT: 21.351 min Scan# 4160
Delta R.T. 0.000 min
Lab File: BM049689.D
Acq: 04 Mar 2025 10:41

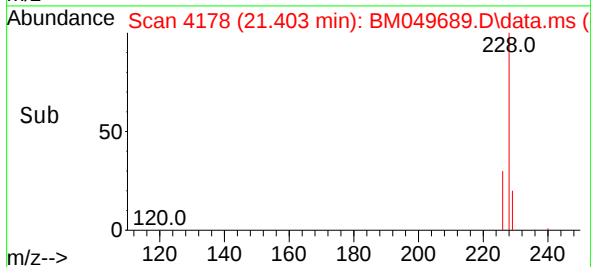
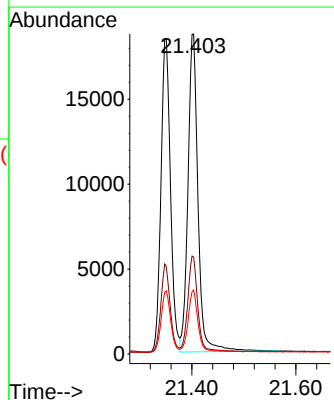
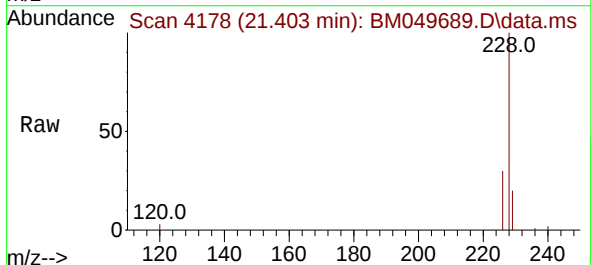
Instrument :
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SSTD0.4043

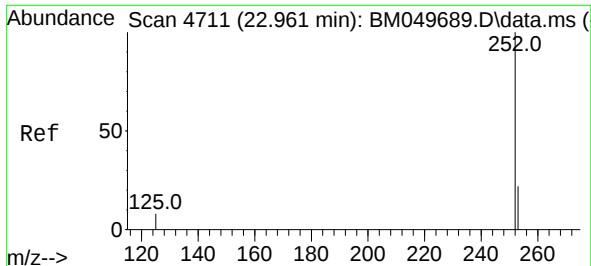
Tgt Ion:228 Resp: 23420
Ion Ratio Lower Upper
228 100
229 20.0 16.0 24.0
226 27.6 22.1 33.1



#22
Chrysene
Concen: 0.429 ng/ul
RT: 21.403 min Scan# 4178
Delta R.T. 0.000 min
Lab File: BM049689.D
Acq: 04 Mar 2025 10:41

Tgt Ion:228 Resp: 25099
Ion Ratio Lower Upper
228 100
226 30.3 24.2 36.4
229 20.0 16.0 24.0

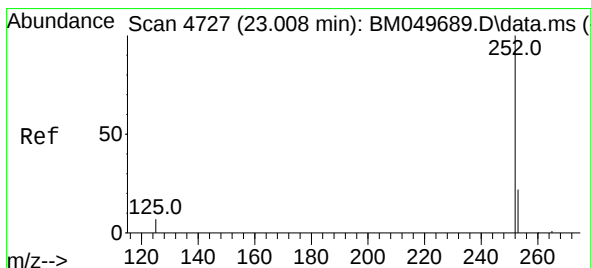
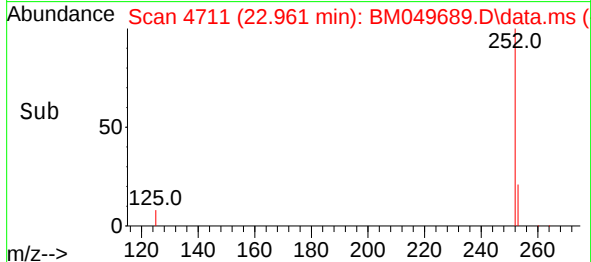
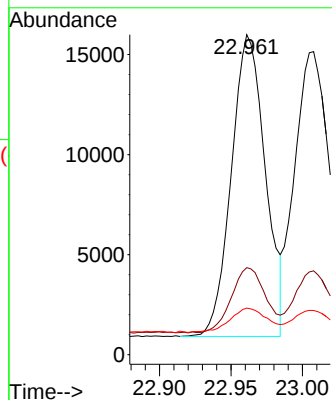
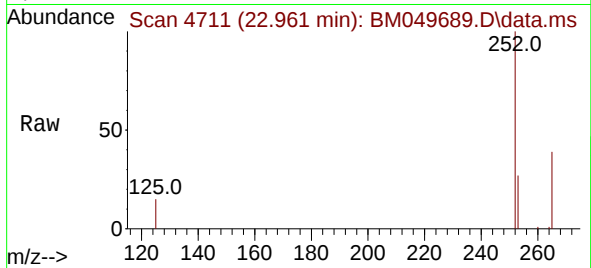




#24
Benzo(b)fluoranthene
Concen: 0.425 ng/ul
RT: 22.961 min Scan# 4711
Delta R.T. 0.000 min
Lab File: BM049689.D
Acq: 04 Mar 2025 10:41

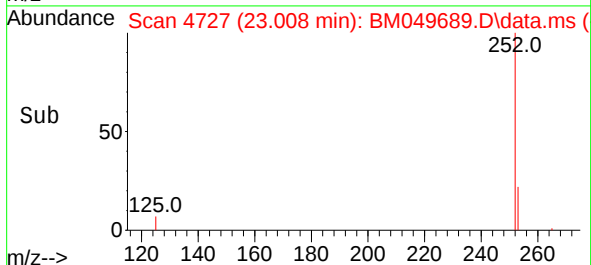
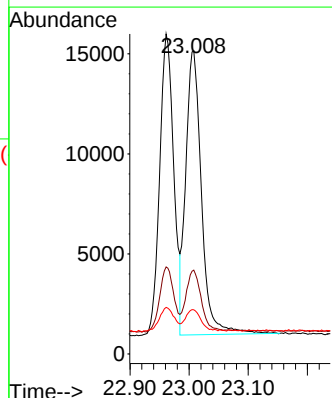
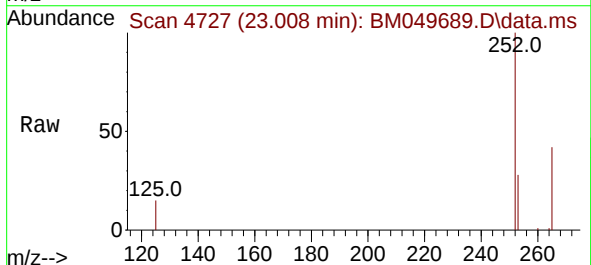
Instrument :
BNA_M
ClientSampleId :
SSTD0.4043

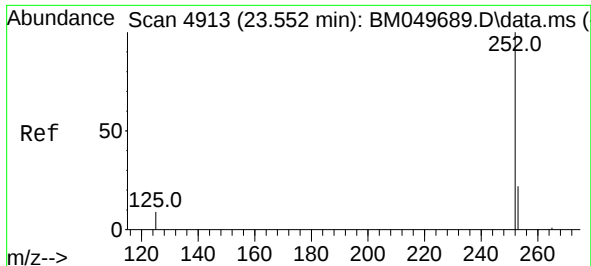
Tgt Ion:252 Resp: 24962
Ion Ratio Lower Upper
252 100
253 27.2 0.0 54.4
125 14.6 0.0 29.2



#25
Benzo(k)fluoranthene
Concen: 0.403 ng/ul
RT: 23.008 min Scan# 4727
Delta R.T. 0.000 min
Lab File: BM049689.D
Acq: 04 Mar 2025 10:41

Tgt Ion:252 Resp: 26265
Ion Ratio Lower Upper
252 100
253 27.7 22.2 33.2
125 14.6 11.7 17.5

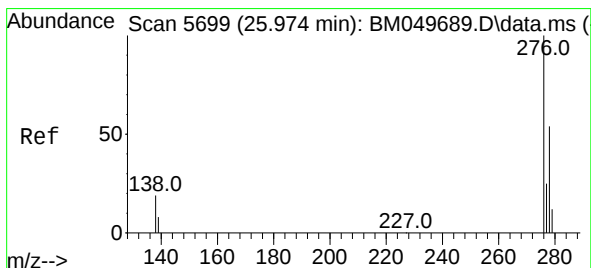
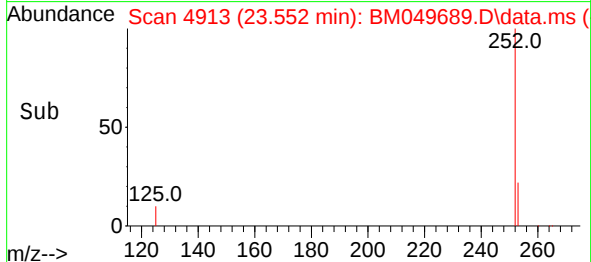
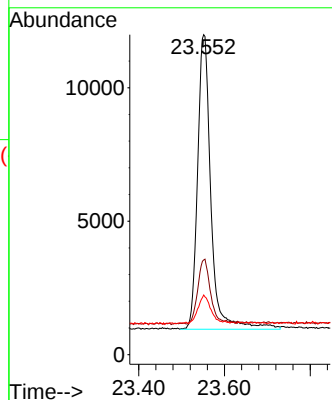
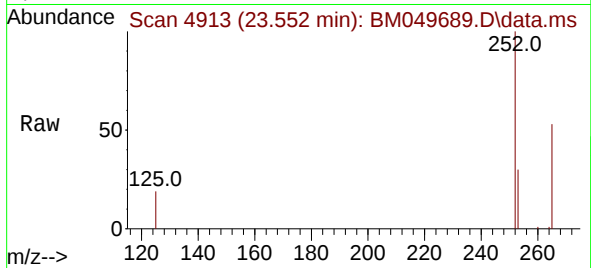




#26
Benzo(a)pyrene
Concen: 0.447 ng/ul
RT: 23.552 min Scan# 4913
Delta R.T. 0.000 min
Lab File: BM049689.D
Acq: 04 Mar 2025 10:41

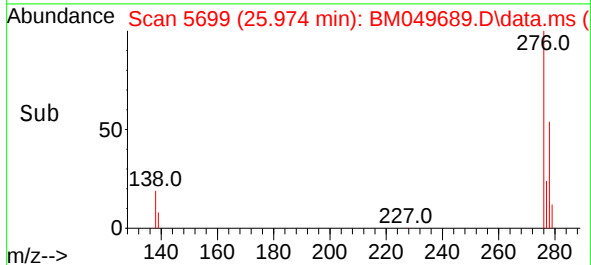
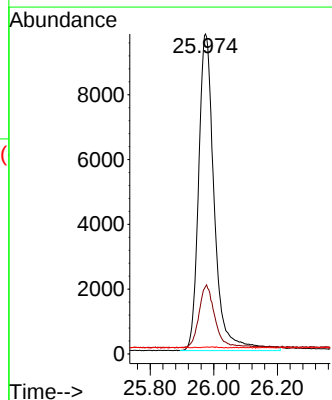
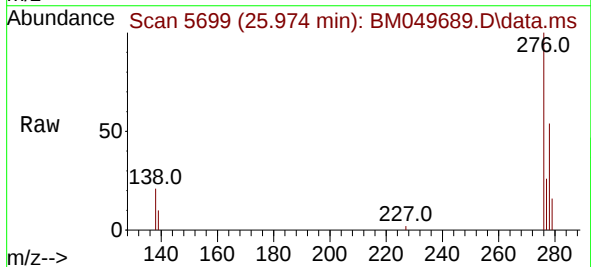
Instrument :
BNA_M
ClientSampleId :
SSTD0.4043

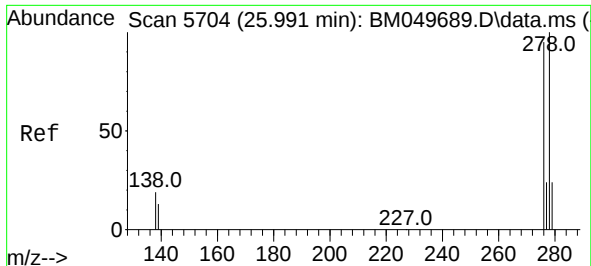
Tgt Ion:252 Resp: 23848
Ion Ratio Lower Upper
252 100
253 29.6 23.7 35.5
125 18.7 15.0 22.4



#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: BM049689.D
Acq: 04 Mar 2025 10:41

Tgt Ion:276 Resp: 33525
Ion Ratio Lower Upper
276 100
138 20.3 16.2 24.4
227 0.1 0.1 0.1

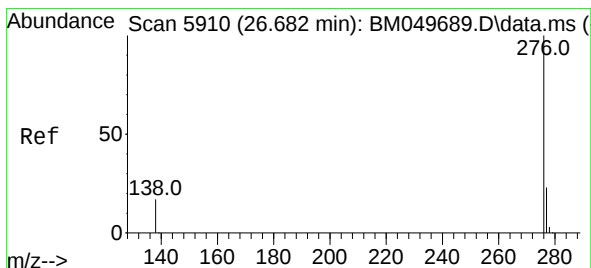
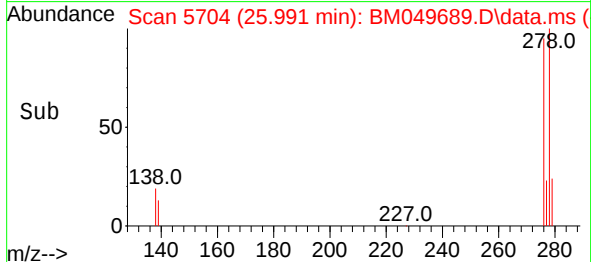
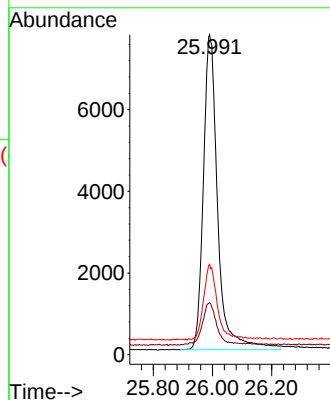
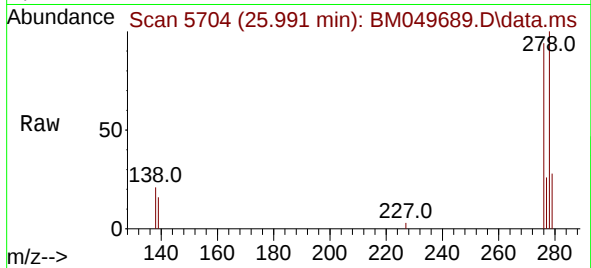




#28
Dibenzo(a,h)anthracene
Concen: 0.445 ng/ul
RT: 25.991 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM049689.D
Acq: 04 Mar 2025 10:41

Instrument :
BNA_M
ClientSampleId :
SSTD0.4043

Tgt Ion:278 Resp: 25979
Ion Ratio Lower Upper
278 100
139 16.2 13.0 19.4
279 28.2 22.6 33.8



#29
Benzo(g,h,i)perylene
Concen: 0.448 ng/ul
RT: 26.682 min Scan# 5910
Delta R.T. 0.000 min
Lab File: BM049689.D
Acq: 04 Mar 2025 10:41

Tgt Ion:276 Resp: 27257
Ion Ratio Lower Upper
276 100
138 19.0 15.2 22.8
277 25.4 20.3 30.5

