

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
 Data File : BN038206.D
 Acq On : 26 Nov 2025 16:18
 Operator : RC/JU
 Sample : SST0.493
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SST0.4227

Quant Time: Nov 28 21:35:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 21:34:25 2025
 Response via : Initial Calibration

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

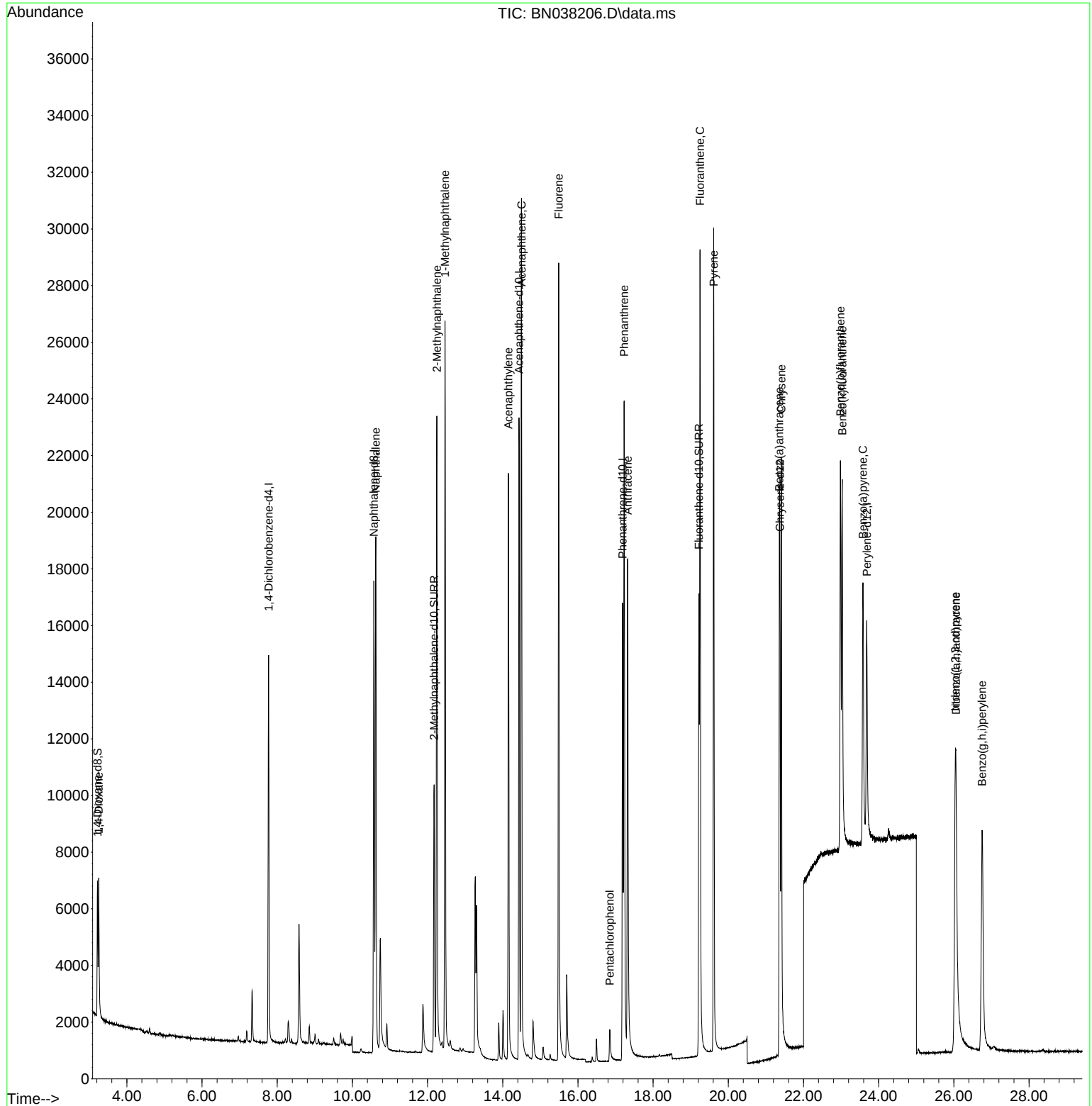
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.770	152	7326	0.400	ng/u1	0.00
4) Naphthalene-d8	10.573	136	23619	0.400	ng/u1	0.00
9) Acenaphthene-d10	14.433	164	13264	0.400	ng/u1	0.00
13) Phenanthrene-d10	17.189	188	22852	0.400	ng/u1	0.00
17) Chrysene-d12	21.375	240	12523	0.400	ng/u1	0.00
23) Perylene-d12	23.684	264	12043	0.400	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.218	96	3228	0.417	ng/u1	0.00
6) 2-Methylnaphthalene-d10	12.173	152	13689	0.410	ng/u1	0.00
18) Fluoranthene-d10	19.217	212	20273	0.502	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.252	88	3368	0.412	ng/u1	100
5) Naphthalene	10.623	128	26104	0.406	ng/u1	100
7) 2-Methylnaphthalene	12.245	142	17482	0.408	ng/u1	100
8) 1-Methylnaphthalene	12.465	142	18562	0.411	ng/u1	100
10) Acenaphthylene	14.151	152	25302	0.402	ng/u1	100
11) Acenaphthene	14.498	153	18852	0.408	ng/u1	100
12) Fluorene	15.488	166	20119	0.385	ng/u1	100
14) Pentachlorophenol	16.847	266	1276	0.238	ng/u1	100
15) Phenanthrene	17.231	178	28972	0.393	ng/u1	100
16) Anthracene	17.324	178	24434	0.378	ng/u1	100
19) Fluoranthene	19.250	202	27770	0.497	ng/u1	100
20) Pyrene	19.612	202	27507	0.498	ng/u1	100
21) Benzo(a)anthracene	21.357	228	16978	0.379	ng/u1	100
22) Chrysene	21.410	228	21183	0.434	ng/u1	100
24) Benzo(b)fluoranthene	22.982	252	19336	0.375	ng/u1	100
25) Benzo(k)fluoranthene	23.029	252	20102	0.389	ng/u1	100
26) Benzo(a)pyrene	23.581	252	17392	0.402	ng/u1	100
27) Indeno(1,2,3-cd)pyrene	26.038	276	21139	0.404	ng/u1#	100
28) Dibenzo(a,h)anthracene	26.055	278	14824	0.373	ng/u1	100
29) Benzo(g,h,i)perylene	26.753	276	19437	0.439	ng/u1	100

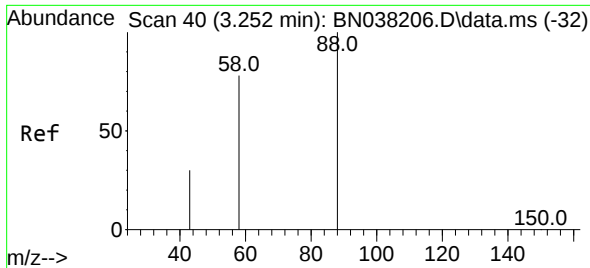
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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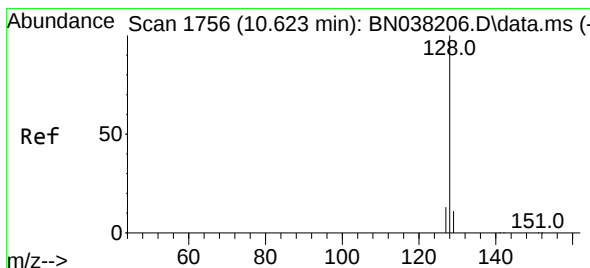
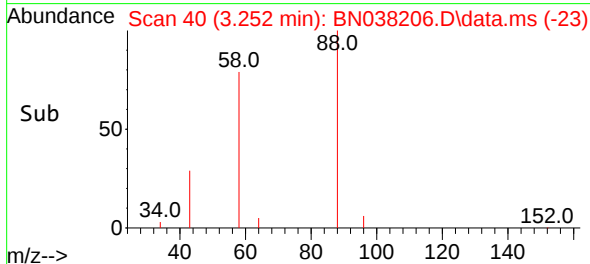
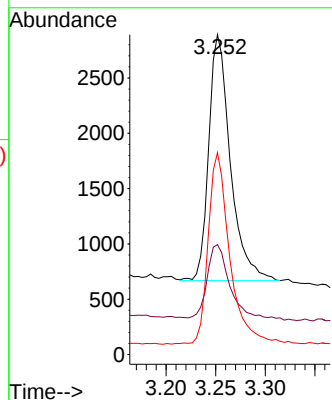
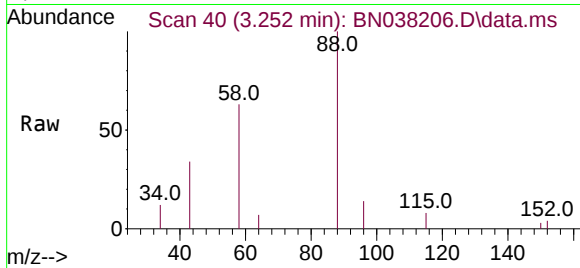




#2
 1,4-Dioxane
 Concen: 0.412 ng/ul
 RT: 3.252 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: BN038206.D
 Acq: 26 Nov 2025 16:18

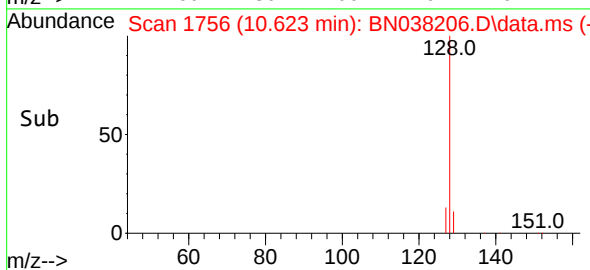
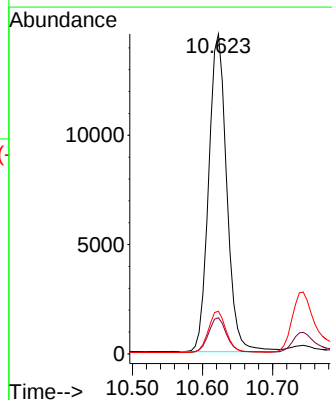
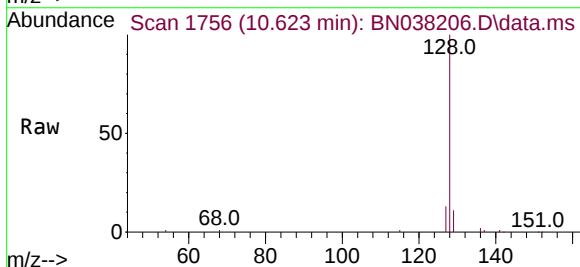
Instrument :
 BNA_N
 ClientSampleId :
 SST00.4227

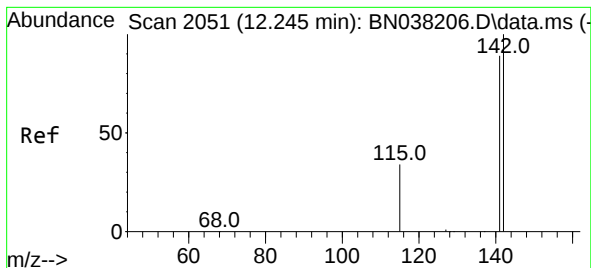
Tgt Ion: 88	Resp:	3368
Ion Ratio	Lower	Upper
88	100	
43	34.4	27.5 41.3
58	63.1	50.5 75.7



#5
 Naphthalene
 Concen: 0.406 ng/ul
 RT: 10.623 min Scan# 1756
 Delta R.T. 0.000 min
 Lab File: BN038206.D
 Acq: 26 Nov 2025 16:18

Tgt Ion: 128	Resp:	26104
Ion Ratio	Lower	Upper
128	100	
129	11.3	9.0 13.6
127	13.3	10.6 16.0

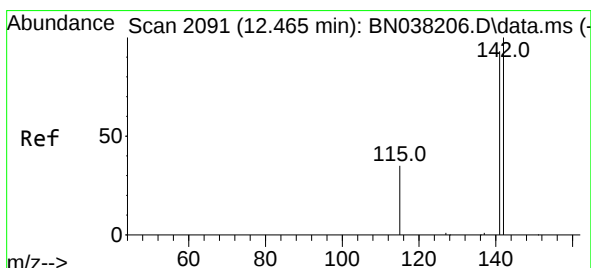
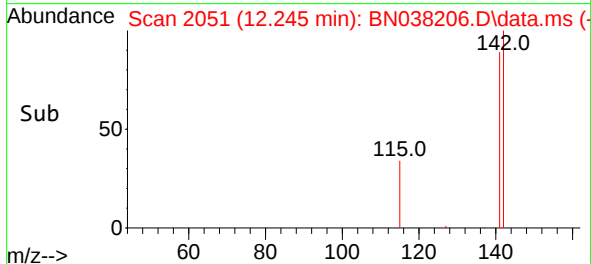
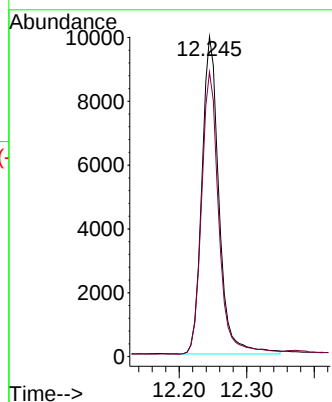
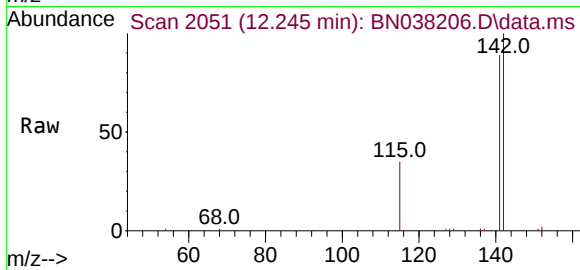




#7
2-Methylnaphthalene
Concen: 0.408 ng/ul
RT: 12.245 min Scan# 2051
Delta R.T. 0.000 min
Lab File: BN038206.D
Acq: 26 Nov 2025 16:18

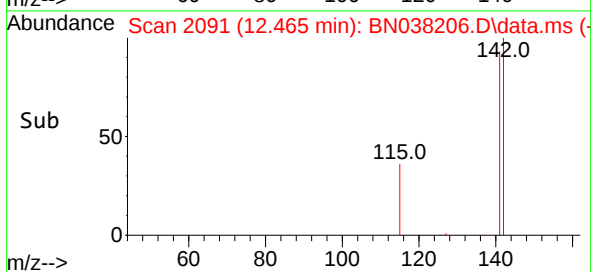
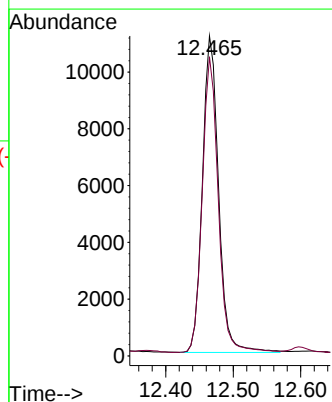
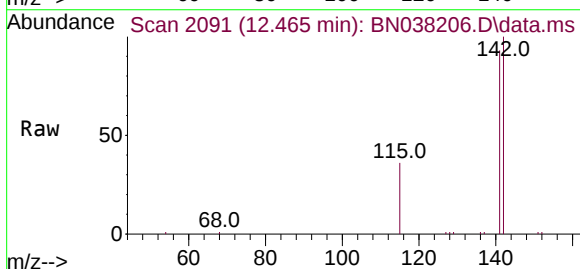
Instrument :
BNA_N
ClientSampleId :
SSTD0.4227

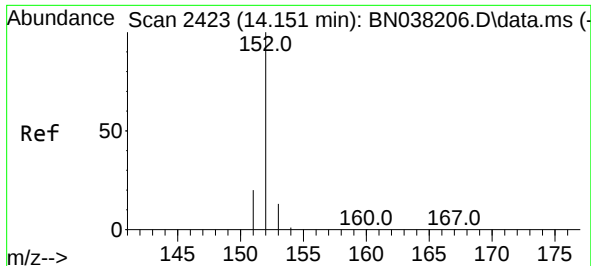
Tgt Ion:142 Resp: 17482
Ion Ratio Lower Upper
142 100
141 89.6 71.7 107.5



#8
1-Methylnaphthalene
Concen: 0.411 ng/ul
RT: 12.465 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BN038206.D
Acq: 26 Nov 2025 16:18

Tgt Ion:142 Resp: 18562
Ion Ratio Lower Upper
142 100
141 92.5 74.1 111.1

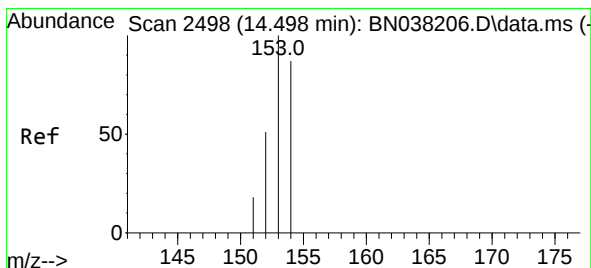
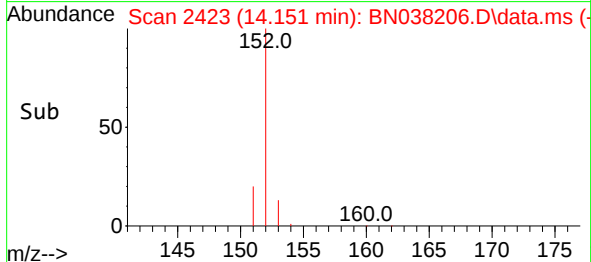
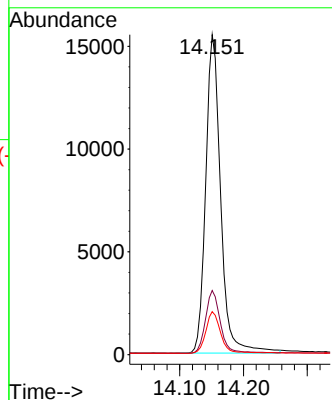
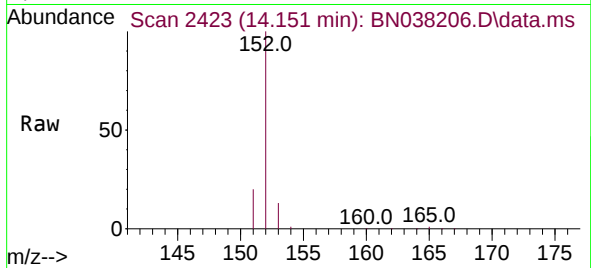




#10
Acenaphthylene
Concen: 0.402 ng/ul
RT: 14.151 min Scan# 2423
Delta R.T. 0.000 min
Lab File: BN038206.D
Acq: 26 Nov 2025 16:18

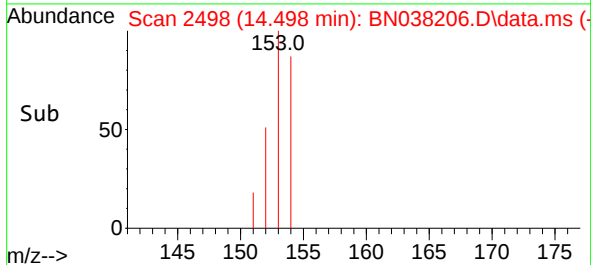
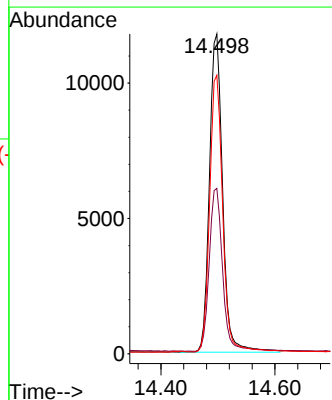
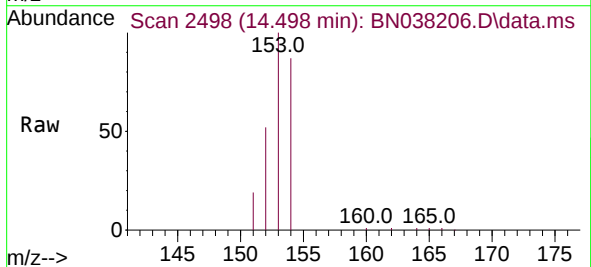
Instrument :
BNA_N
ClientSampleId :
SSTD0.4227

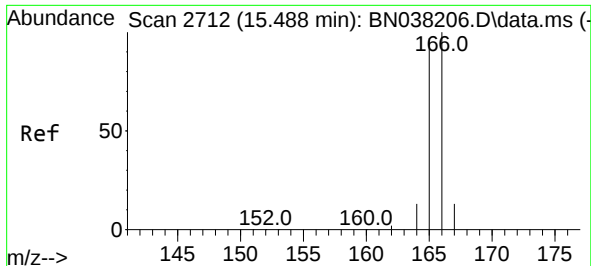
Tgt Ion:152 Resp: 25302
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 13.4 10.7 16.1



#11
Acenaphthene
Concen: 0.408 ng/ul
RT: 14.498 min Scan# 2498
Delta R.T. 0.000 min
Lab File: BN038206.D
Acq: 26 Nov 2025 16:18

Tgt Ion:153 Resp: 18852
Ion Ratio Lower Upper
153 100
152 51.7 41.4 62.0
154 87.1 69.7 104.5

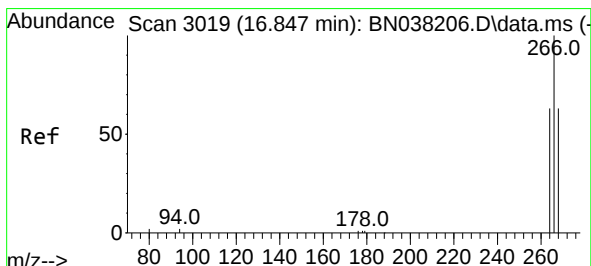
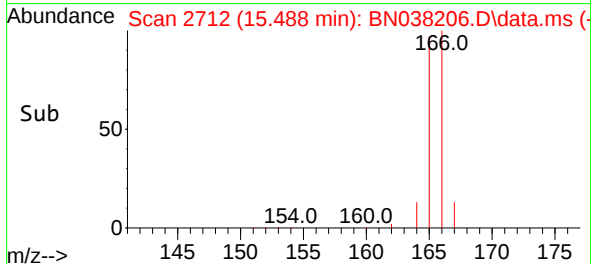
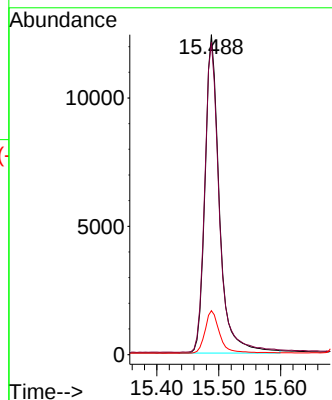
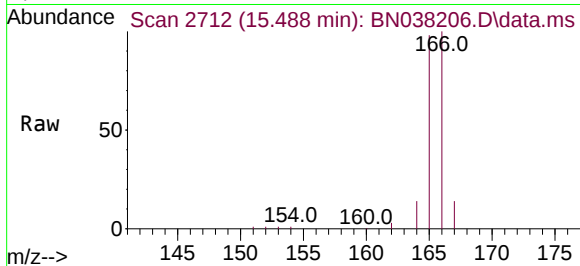




#12
Fluorene
Concen: 0.385 ng/ul
RT: 15.488 min Scan# 2712
Delta R.T. 0.000 min
Lab File: BN038206.D
Acq: 26 Nov 2025 16:18

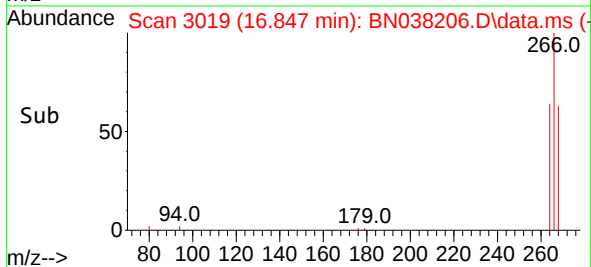
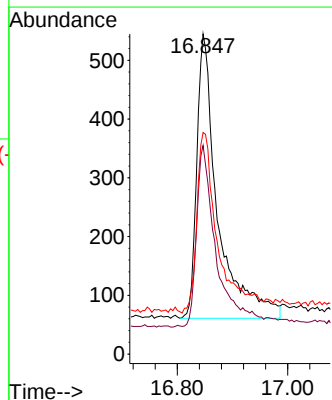
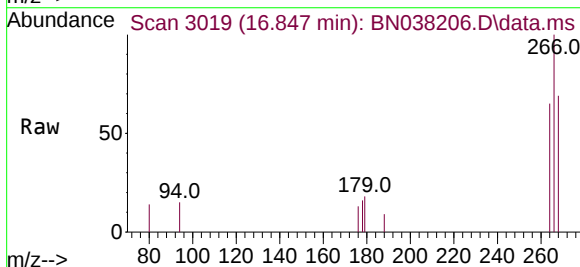
Instrument :
BNA_N
ClientSampleId :
SSTD0.4227

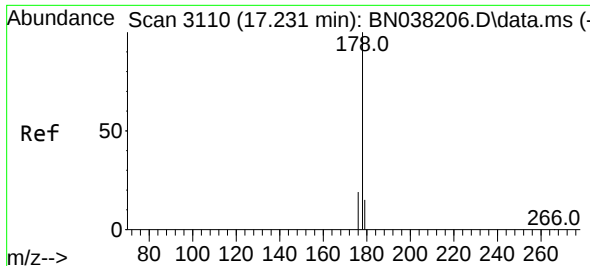
Tgt Ion:166 Resp: 20119
Ion Ratio Lower Upper
166 100
165 97.6 78.1 117.1
167 13.7 11.0 16.4



#14
Pentachlorophenol
Concen: 0.238 ng/ul
RT: 16.847 min Scan# 3019
Delta R.T. 0.000 min
Lab File: BN038206.D
Acq: 26 Nov 2025 16:18

Tgt Ion:266 Resp: 1276
Ion Ratio Lower Upper
266 100
264 61.5 49.3 73.9
268 67.1 53.7 80.5

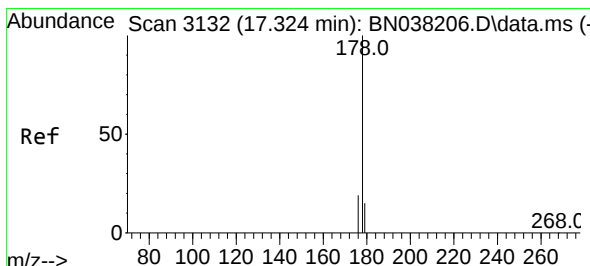
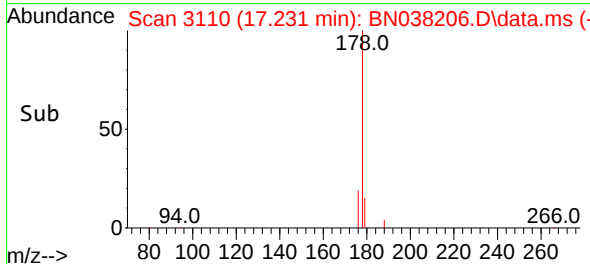
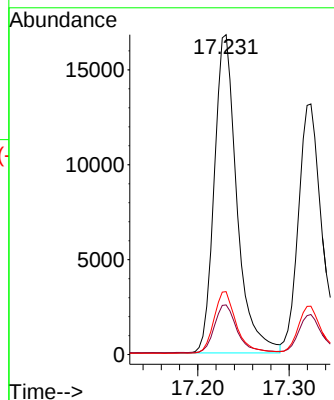
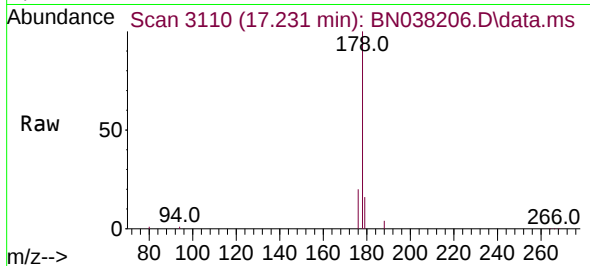




#15
Phenanthrene
Concen: 0.393 ng/ul
RT: 17.231 min Scan# 3110
Delta R.T. 0.000 min
Lab File: BN038206.D
Acq: 26 Nov 2025 16:18

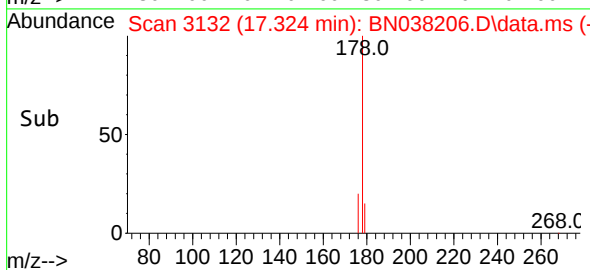
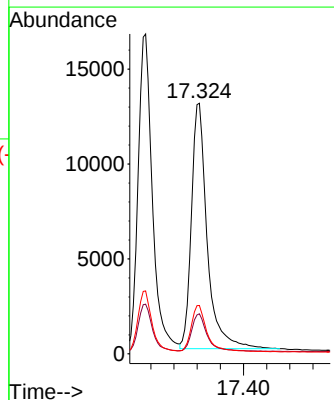
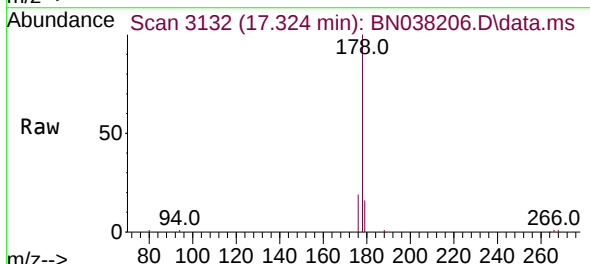
Instrument :
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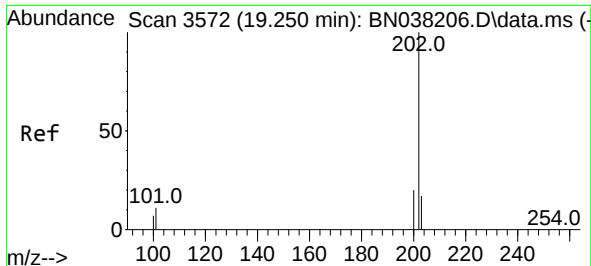
Tgt Ion:178 Resp: 28972
Ion Ratio Lower Upper
178 100
179 15.5 12.4 18.6
176 19.7 15.8 23.6



#16
Anthracene
Concen: 0.378 ng/ul
RT: 17.324 min Scan# 3132
Delta R.T. 0.000 min
Lab File: BN038206.D
Acq: 26 Nov 2025 16:18

Tgt Ion:178 Resp: 24434
Ion Ratio Lower Upper
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179 16.0 12.8 19.2
176 19.3 15.4 23.2

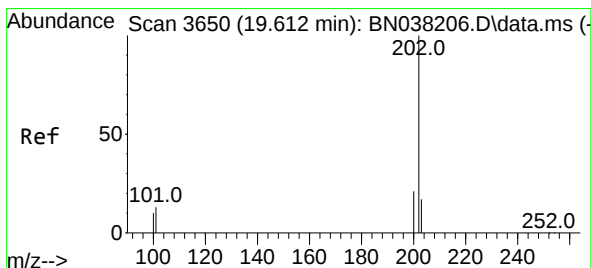
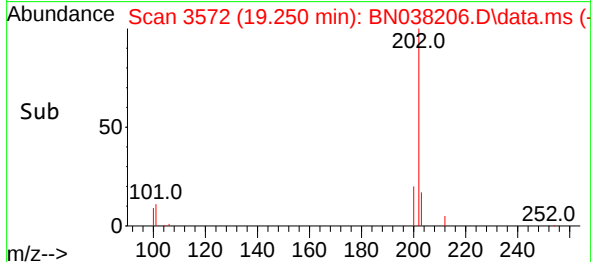
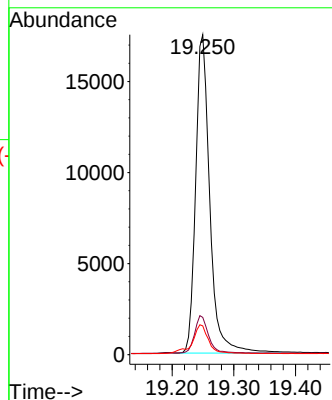
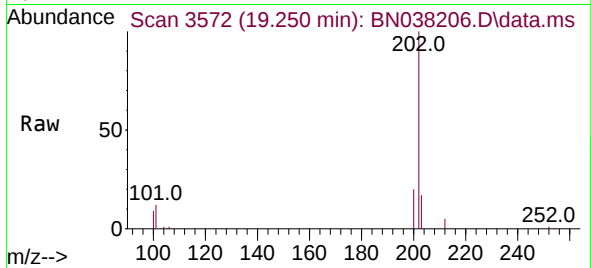




#19
Fluoranthene
Concen: 0.497 ng/ul
RT: 19.250 min Scan# 3572
Delta R.T. 0.000 min
Lab File: BN038206.D
Acq: 26 Nov 2025 16:18

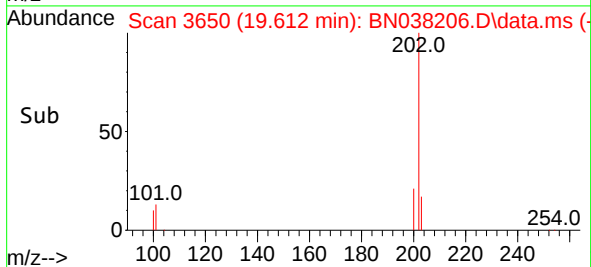
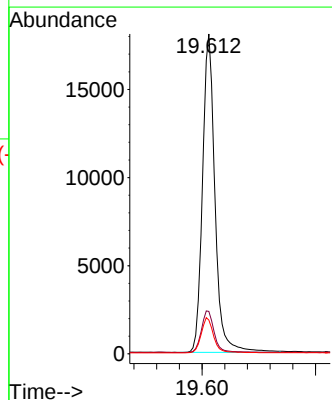
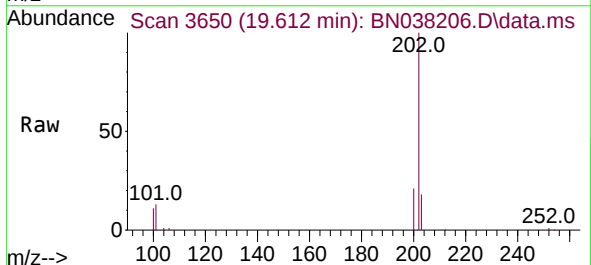
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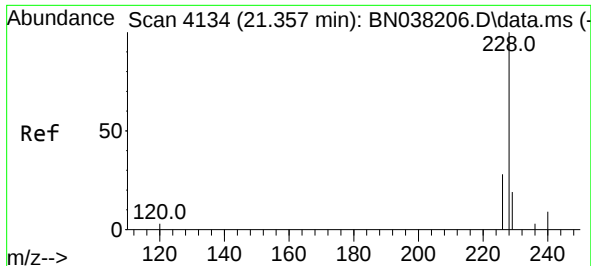
Tgt Ion:202 Resp: 27770
Ion Ratio Lower Upper
202 100
101 11.6 9.3 13.9
100 9.0 7.2 10.8



#20
Pyrene
Concen: 0.498 ng/ul
RT: 19.612 min Scan# 3650
Delta R.T. 0.000 min
Lab File: BN038206.D
Acq: 26 Nov 2025 16:18

Tgt Ion:202 Resp: 27507
Ion Ratio Lower Upper
202 100
101 13.3 10.6 16.0
100 10.6 8.5 12.7

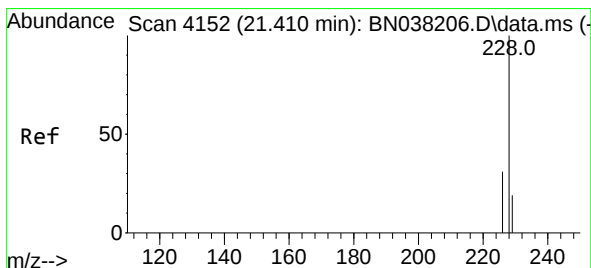
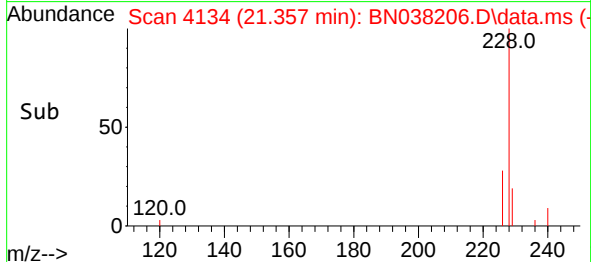
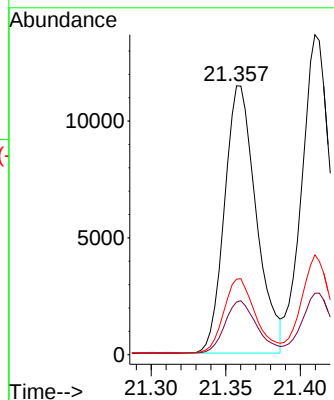
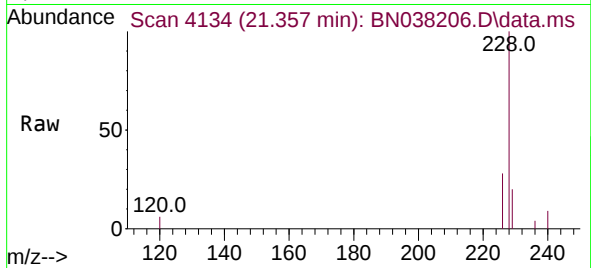




#21
Benzo(a)anthracene
Concen: 0.379 ng/ul
RT: 21.357 min Scan# 4134
Delta R.T. 0.000 min
Lab File: BN038206.D
Acq: 26 Nov 2025 16:18

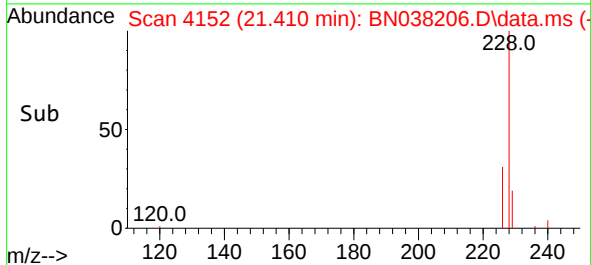
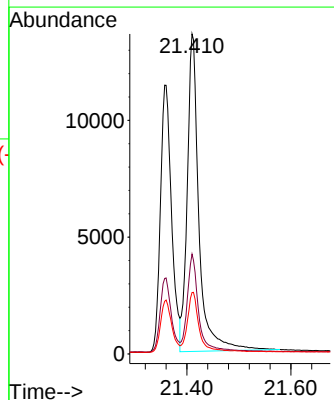
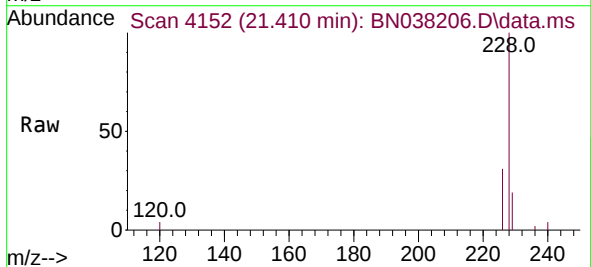
Instrument :
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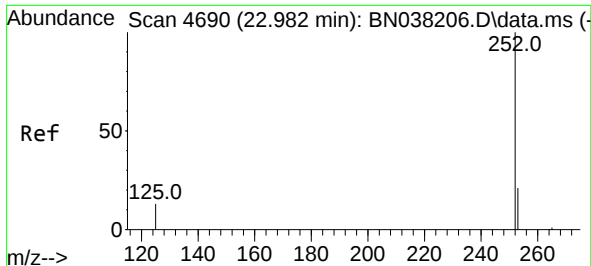
Tgt Ion:228 Resp: 16978
Ion Ratio Lower Upper
228 100
229 19.5 15.6 23.4
226 28.0 22.4 33.6



#22
Chrysene
Concen: 0.434 ng/ul
RT: 21.410 min Scan# 4152
Delta R.T. 0.000 min
Lab File: BN038206.D
Acq: 26 Nov 2025 16:18

Tgt Ion:228 Resp: 21183
Ion Ratio Lower Upper
228 100
226 31.2 25.0 37.4
229 19.2 15.4 23.0

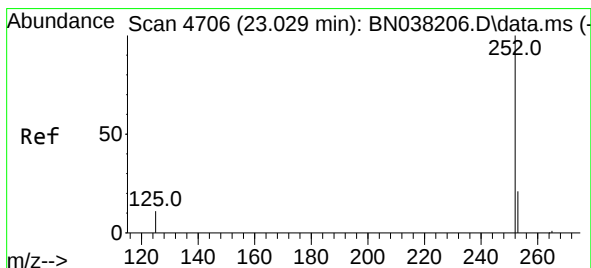
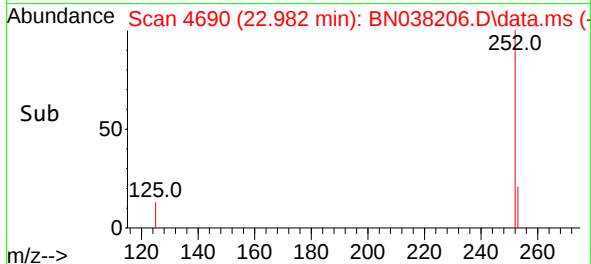
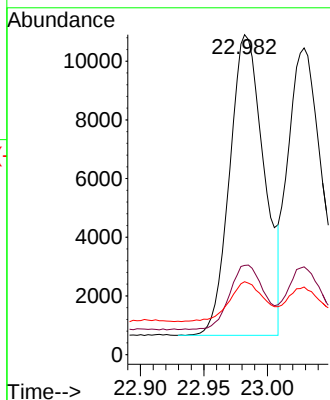
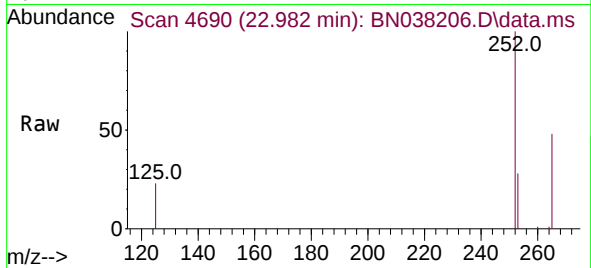




#24
Benzo(b)fluoranthene
Concen: 0.375 ng/ul
RT: 22.982 min Scan# 4690
Delta R.T. 0.000 min
Lab File: BN038206.D
Acq: 26 Nov 2025 16:18

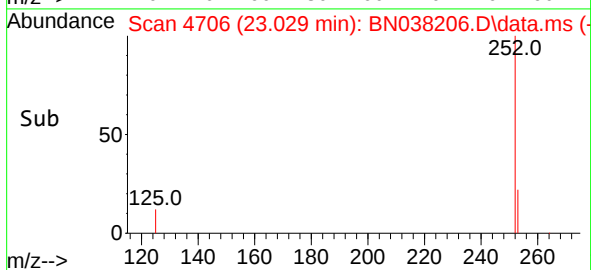
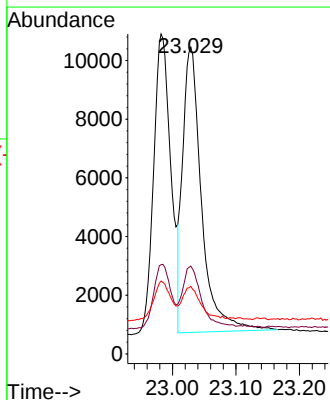
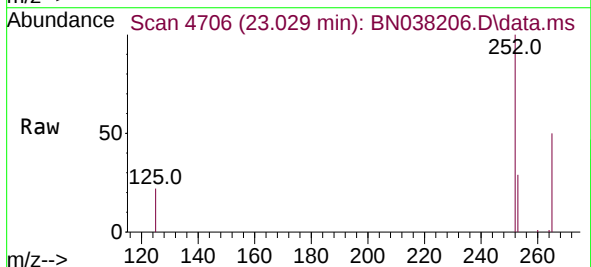
Instrument :
BNA_N
ClientSampleId :
SSTD0.4227

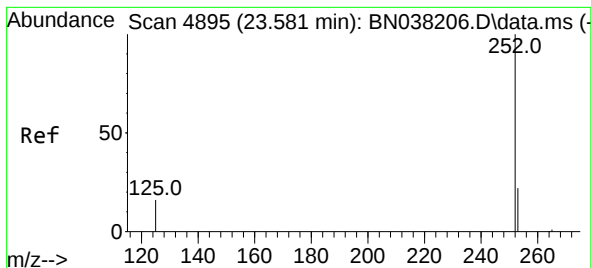
Tgt Ion:252 Resp: 19336
Ion Ratio Lower Upper
252 100
253 27.9 0.0 55.8
125 22.8 0.0 45.6



#25
Benzo(k)fluoranthene
Concen: 0.389 ng/ul
RT: 23.029 min Scan# 4706
Delta R.T. 0.000 min
Lab File: BN038206.D
Acq: 26 Nov 2025 16:18

Tgt Ion:252 Resp: 20102
Ion Ratio Lower Upper
252 100
253 28.6 22.9 34.3
125 22.1 17.7 26.5





#26

Benzo(a)pyrene

Concen: 0.402 ng/ul

RT: 23.581 min Scan# 4895

Delta R.T. 0.000 min

Lab File: BN038206.D

Acq: 26 Nov 2025 16:18

Instrument :

BNA_N

ClientSampleId :

SSTD0.4227

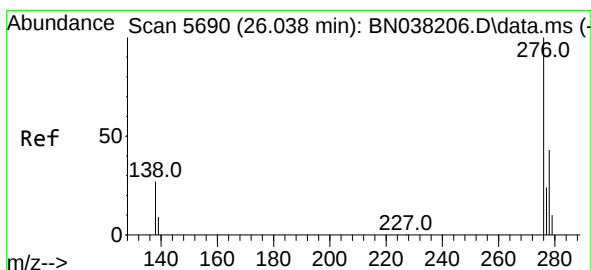
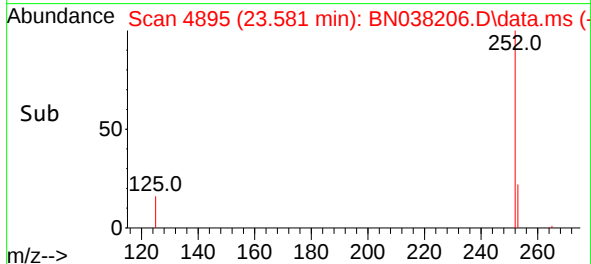
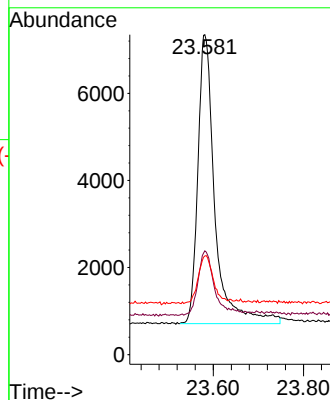
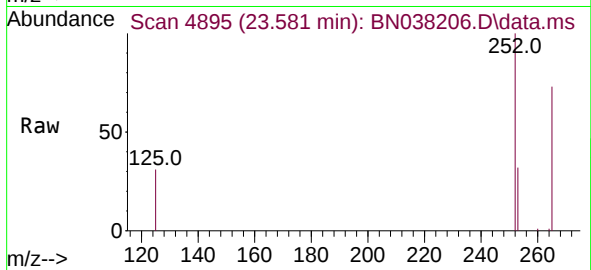
Tgt Ion:252 Resp: 17392

Ion Ratio Lower Upper

252 100

253 32.4 25.9 38.9

125 30.8 24.6 37.0



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.404 ng/ul

RT: 26.038 min Scan# 5690

Delta R.T. 0.000 min

Lab File: BN038206.D

Acq: 26 Nov 2025 16:18

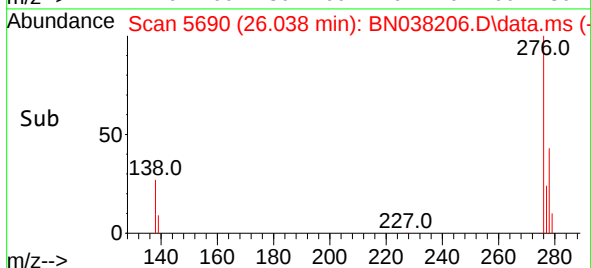
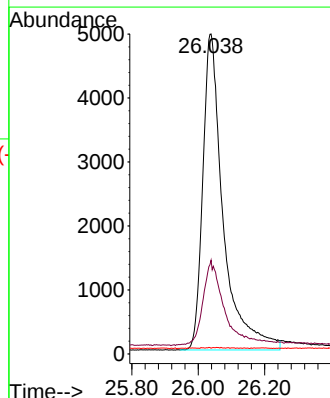
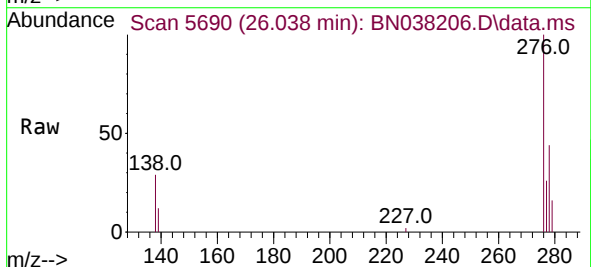
Tgt Ion:276 Resp: 21139

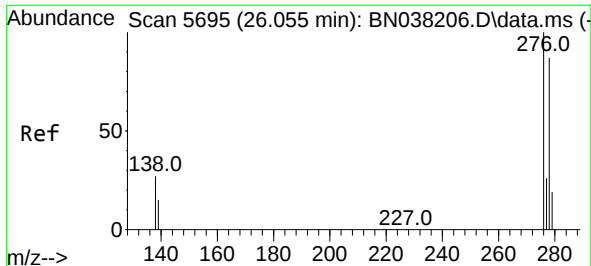
Ion Ratio Lower Upper

276 100

138 28.6 22.9 34.3

227 0.0 0.0 0.0#

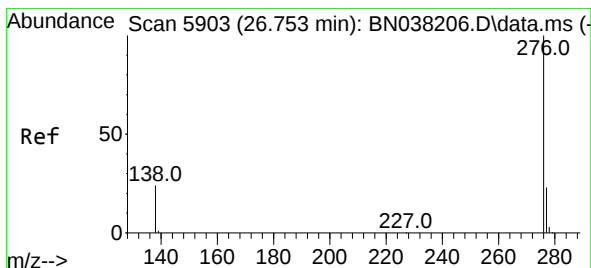
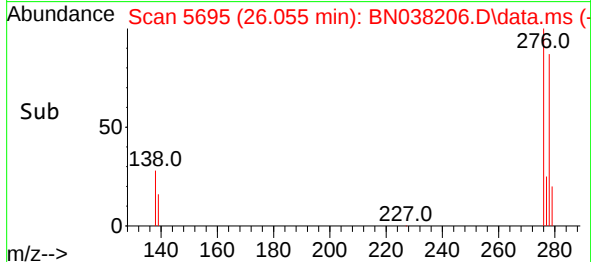
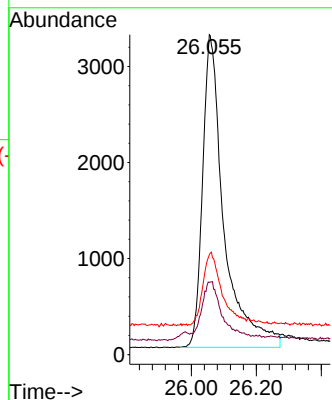
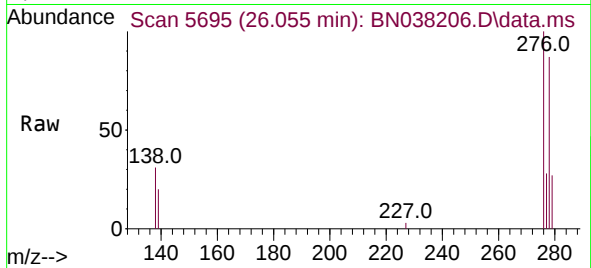




#28
Dibenzo(a,h)anthracene
Concen: 0.373 ng/ul
RT: 26.055 min Scan# 5695
Delta R.T. 0.000 min
Lab File: BN038206.D
Acq: 26 Nov 2025 16:18

Instrument :
BNA_N
ClientSampleId :
SSTD0.4227

Tgt Ion:278 Resp: 14824
Ion Ratio Lower Upper
278 100
139 22.6 18.1 27.1
279 31.2 25.0 37.4



#29
Benzo(g,h,i)perylene
Concen: 0.439 ng/ul
RT: 26.753 min Scan# 5903
Delta R.T. 0.000 min
Lab File: BN038206.D
Acq: 26 Nov 2025 16:18

Tgt Ion:276 Resp: 19437
Ion Ratio Lower Upper
276 100
138 27.0 21.6 32.4
277 24.7 19.8 29.6

