

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
 Data File : BN038283.D
 Acq On : 05 Dec 2025 19:57
 Operator : RC/JU
 Sample : PB170724BS
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS724

Quant Time: Dec 05 22:35:18 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 : Mon Dec 01 16:36:13 2025
 Response via : Initial Calibration

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

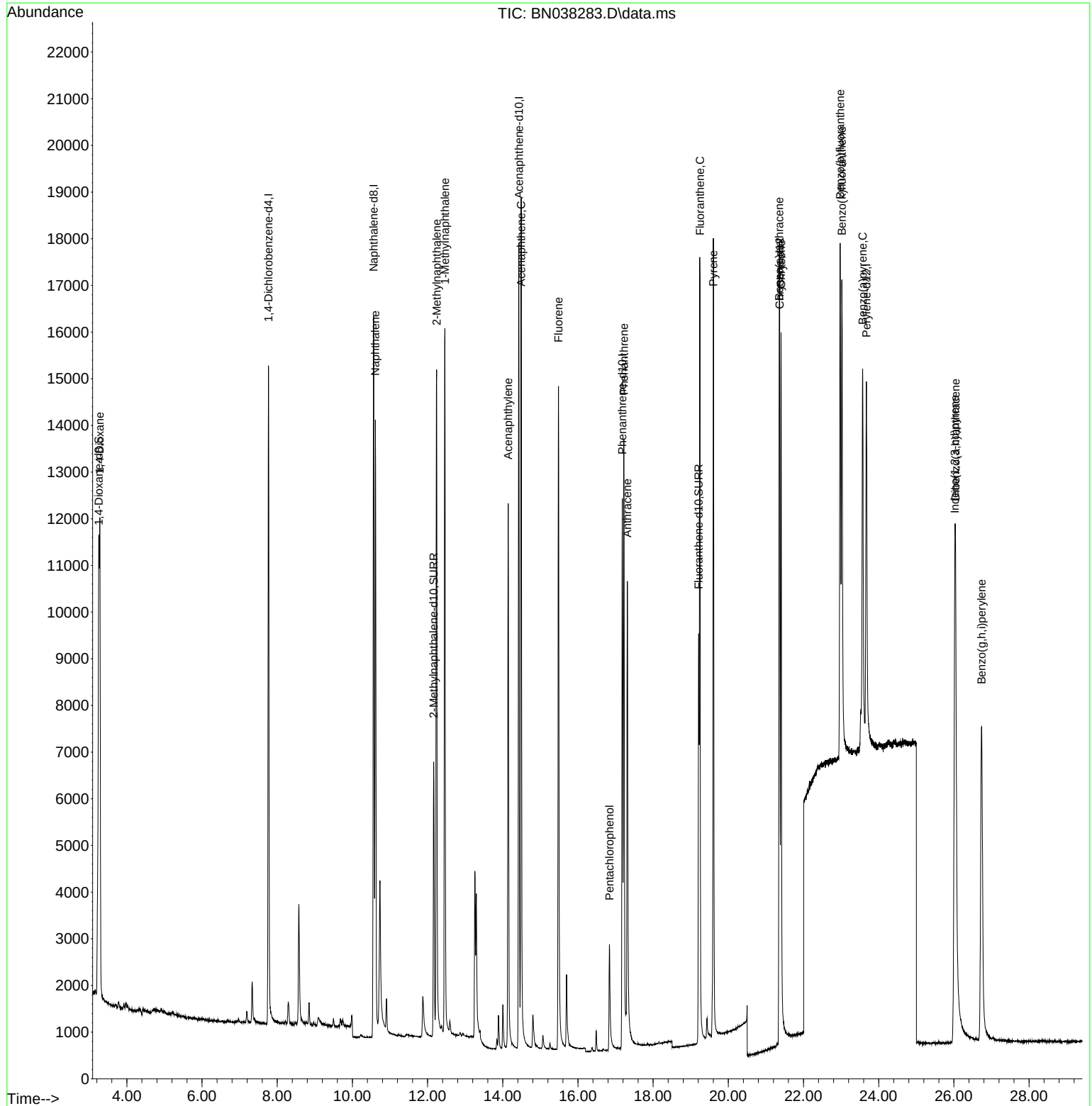
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.766	152	7672	0.400	ng/u1	0.00
4) Naphthalene-d8	10.562	136	21841	0.400	ng/u1	-0.01
9) Acenaphthene-d10	14.428	164	10280	0.400	ng/u1	0.00
13) Phenanthrene-d10	17.179	188	15794	0.400	ng/u1	0.00
17) Chrysene-d12	21.368	240	11370	0.400	ng/u1	0.00
23) Perylene-d12	23.674	264	12234	0.400	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.247	96	5042	0.626	ng/u1	0.03
6) 2-Methylnaphthalene-d10	12.162	152	8589	0.276	ng/u1	-0.01
18) Fluoranthene-d10	19.211	212	10401	0.235	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.281	88	13016	1.501	ng/u1	90
5) Naphthalene	10.612	128	18500	0.312	ng/u1	99
7) 2-Methylnaphthalene	12.239	142	11515	0.291	ng/u1	100
8) 1-Methylnaphthalene	12.459	142	11243	0.267	ng/u1	100
10) Acenaphthylene	14.145	152	14989	0.310	ng/u1	100
11) Acenaphthene	14.488	153	11122	0.310	ng/u1	99
12) Fluorene	15.482	166	11066	0.288	ng/u1	98
14) Pentachlorophenol	16.837	266	2210	0.873	ng/u1	97
15) Phenanthrene	17.222	178	15432	0.312	ng/u1	99
16) Anthracene	17.314	178	13404	0.319	ng/u1	99
19) Fluoranthene	19.244	202	15234	0.251	ng/u1	99
20) Pyrene	19.602	202	15604	0.259	ng/u1	95
21) Benzo(a)anthracene	21.350	228	12618	0.332	ng/u1	99
22) Chrysene	21.403	228	14855	0.315	ng/u1	99
24) Benzo(b)fluoranthene	22.975	252	15096	0.315	ng/u1	100
25) Benzo(k)fluoranthene	23.022	252	16089	0.319	ng/u1	98
26) Benzo(a)pyrene	23.572	252	14286	0.330	ng/u1	98
27) Indeno(1,2,3-cd)pyrene	26.024	276	19562	0.380	ng/u1#	99
28) Dibenzo(a,h)anthracene	26.044	278	14807	0.410	ng/u1	97
29) Benzo(g,h,i)perylene	26.738	276	17097	0.353	ng/u1	100

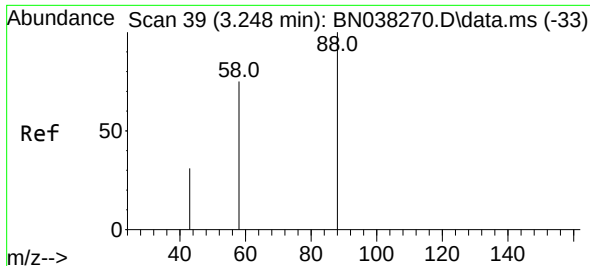
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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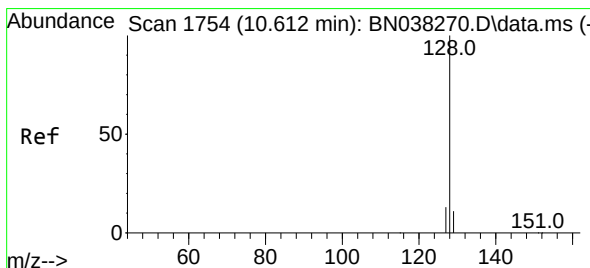
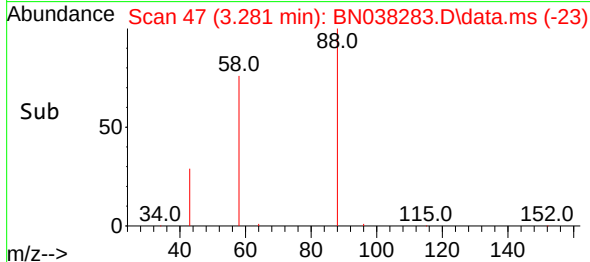
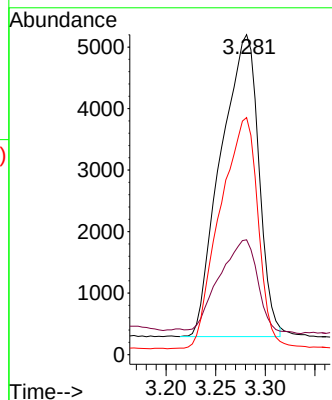
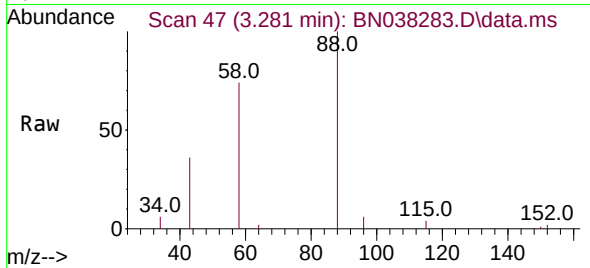




#2
1,4-Dioxane
Concen: 1.501 ng/ul
RT: 3.281 min Scan# 41
Delta R.T. 0.029 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

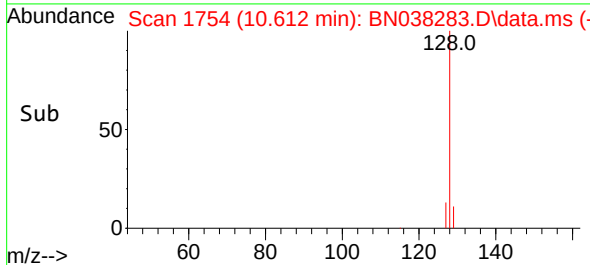
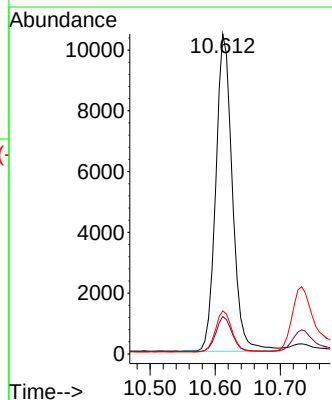
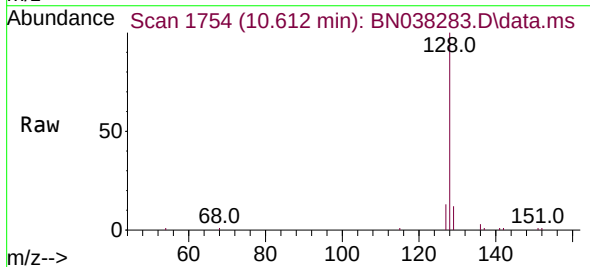
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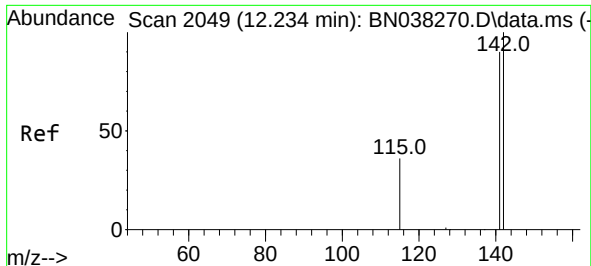
Tgt Ion: 88 Resp: 13016
Ion Ratio Lower Upper
88 100
43 35.9 27.5 41.3
58 74.1 50.5 75.7



#5
Naphthalene
Concen: 0.312 ng/ul
RT: 10.612 min Scan# 1754
Delta R.T. -0.011 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:128 Resp: 18500
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.6
127 13.4 10.6 16.0

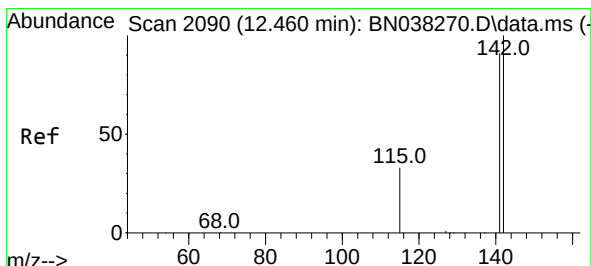
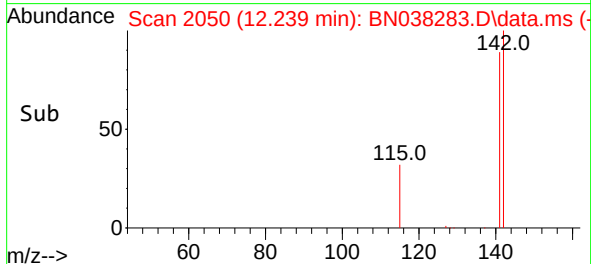
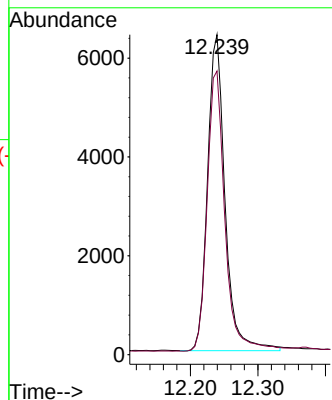
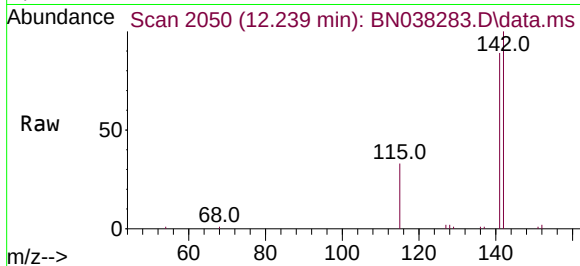




#7
2-Methylnaphthalene
Concen: 0.291 ng/ul
RT: 12.239 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

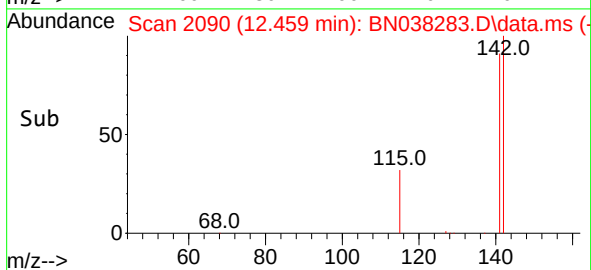
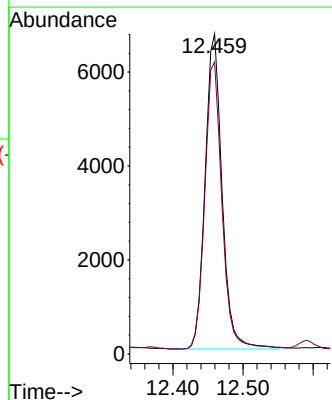
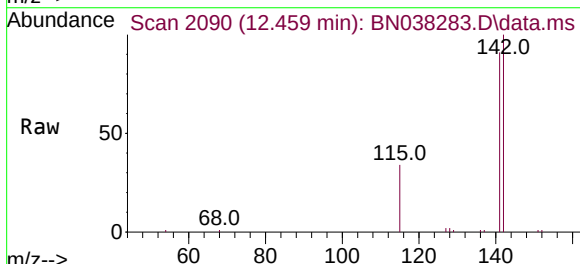
Instrument :
BNA_N
ClientSampleId :
SLCS724

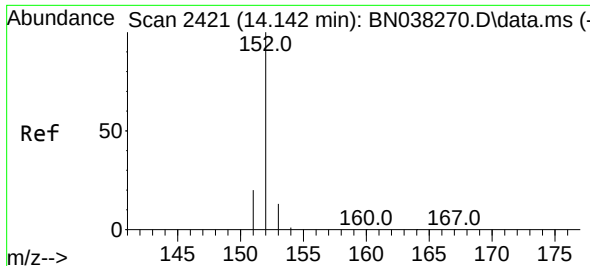
Tgt Ion:142 Resp: 11515
Ion Ratio Lower Upper
142 100
141 90.1 71.7 107.5



#8
1-Methylnaphthalene
Concen: 0.267 ng/ul
RT: 12.459 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:142 Resp: 11243
Ion Ratio Lower Upper
142 100
141 92.2 74.1 111.1

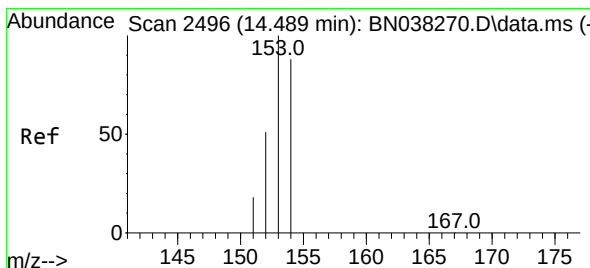
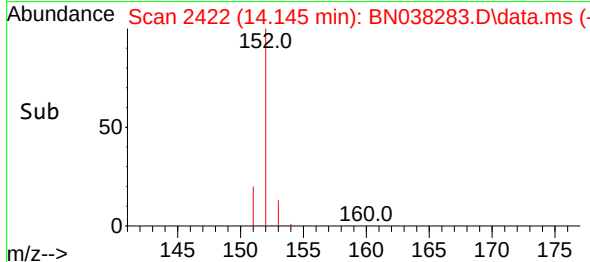
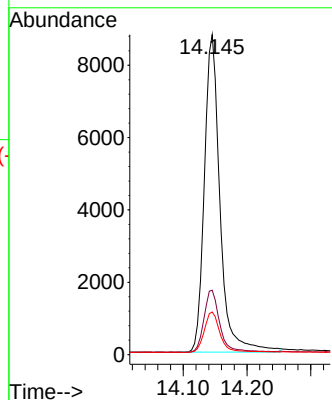
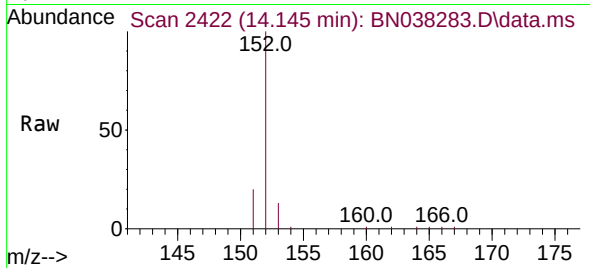




#10
Acenaphthylene
Concen: 0.310 ng/ul
RT: 14.145 min Scan# 2421
Delta R.T. -0.006 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

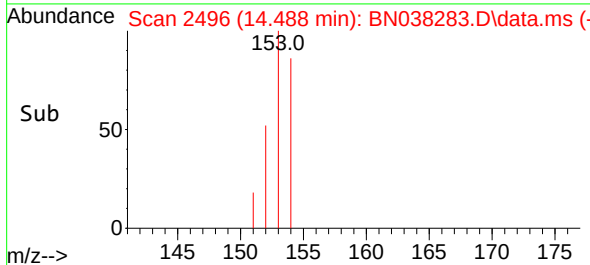
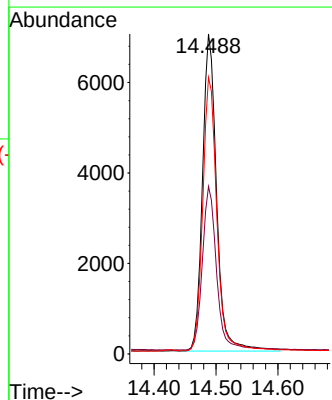
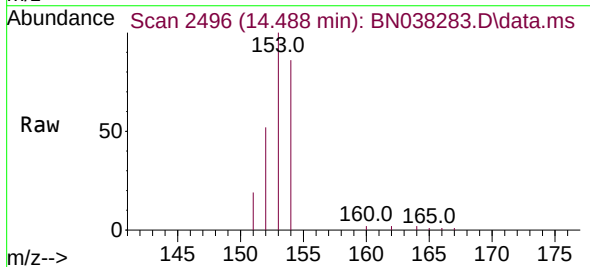
Instrument :
BNA_N
ClientSampleId :
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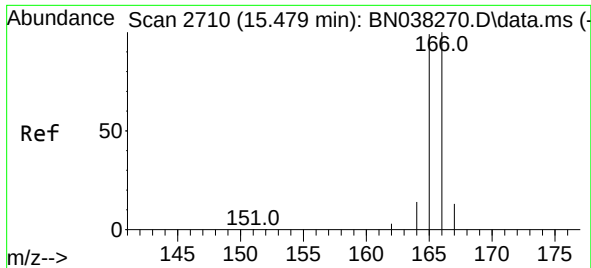
Tgt Ion:152 Resp: 14989
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 13.3 10.7 16.1



#11
Acenaphthene
Concen: 0.310 ng/ul
RT: 14.488 min Scan# 2496
Delta R.T. -0.010 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:153 Resp: 11122
Ion Ratio Lower Upper
153 100
152 52.3 41.4 62.0
154 86.4 69.7 104.5

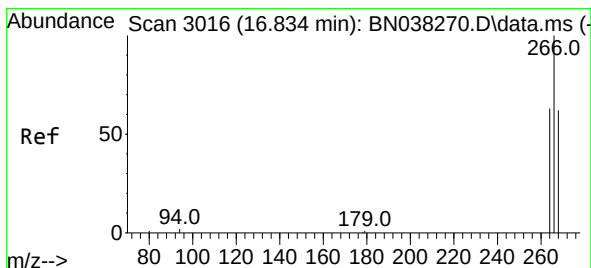
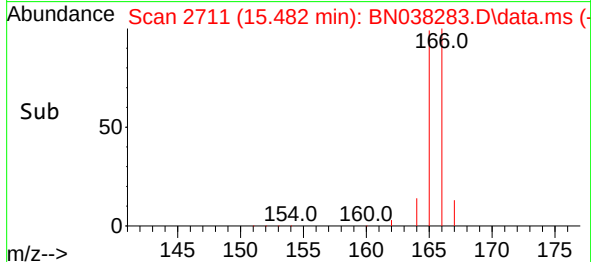
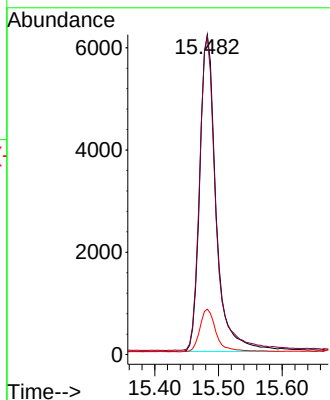
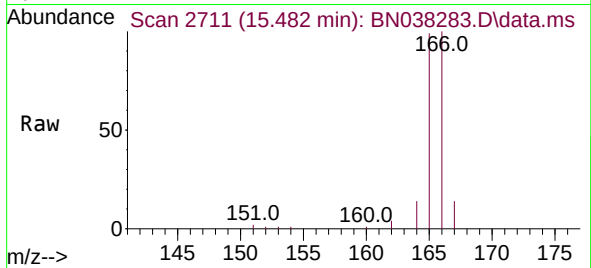




#12
 Fluorene
 Concen: 0.288 ng/ul
 RT: 15.482 min Scan# 2711
 Delta R.T. -0.006 min
 Lab File: BN038283.D
 Acq: 05 Dec 2025 19:57

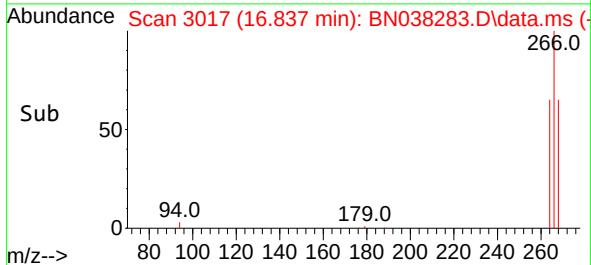
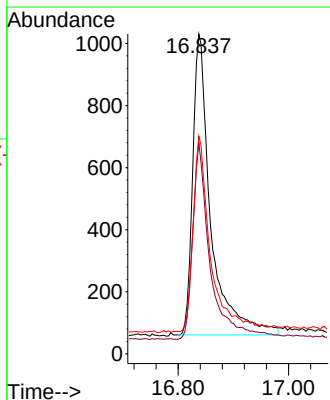
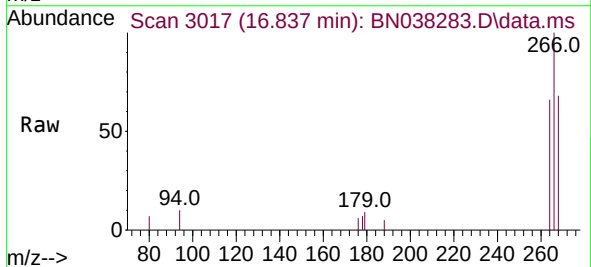
Instrument :
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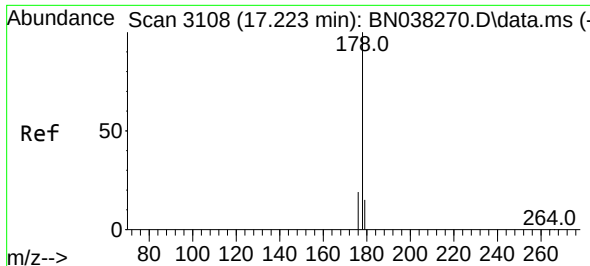
Tgt Ion:166	Resp:	11066
Ion Ratio	Lower	Upper
166	100	
165	99.4	78.1 117.1
167	14.2	11.0 16.4



#14
 Pentachlorophenol
 Concen: 0.873 ng/ul
 RT: 16.837 min Scan# 3017
 Delta R.T. -0.009 min
 Lab File: BN038283.D
 Acq: 05 Dec 2025 19:57

Tgt Ion:266	Resp:	2210
Ion Ratio	Lower	Upper
266	100	
264	62.9	49.3 73.9
268	63.8	53.7 80.5

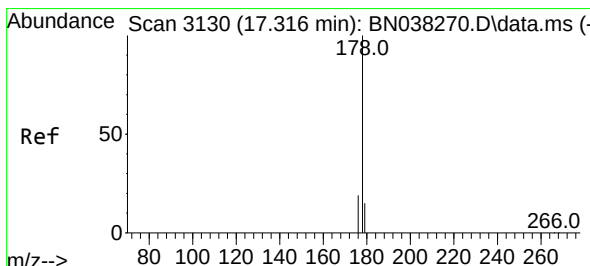
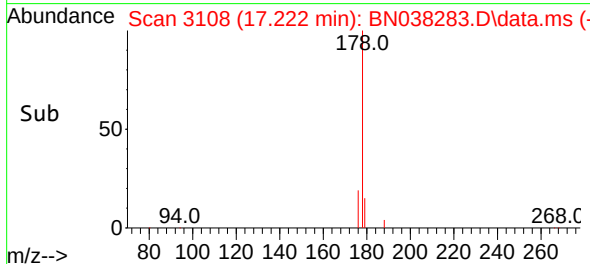
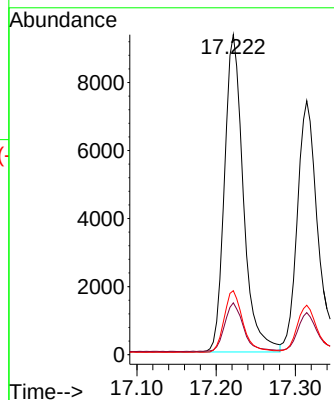
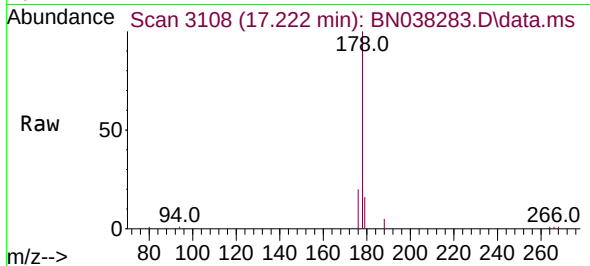




#15
Phenanthrene
Concen: 0.312 ng/ul
RT: 17.222 min Scan# 3108
Delta R.T. -0.009 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

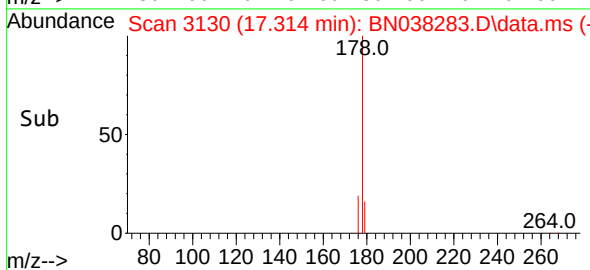
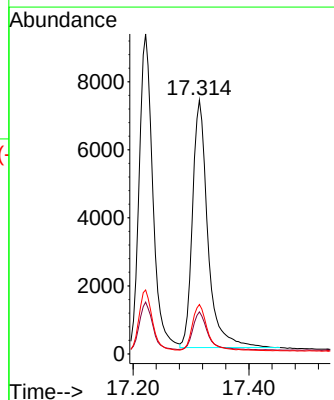
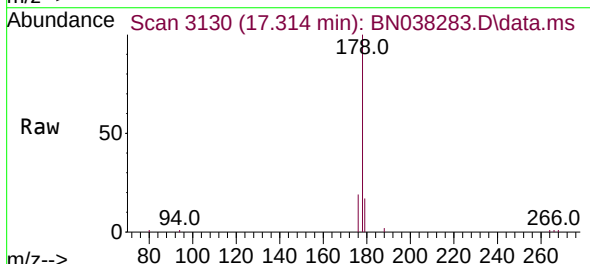
Instrument :
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SLCS724

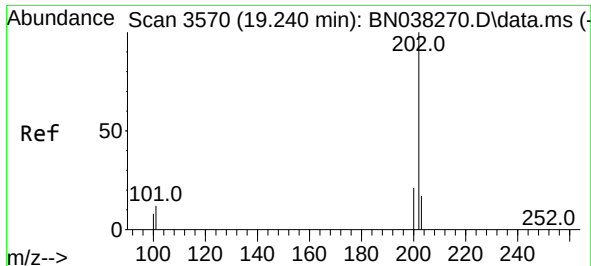
Tgt Ion:	178	Resp:	15432
Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.4	18.6
176	20.0	15.8	23.6



#16
Anthracene
Concen: 0.319 ng/ul
RT: 17.314 min Scan# 3130
Delta R.T. -0.009 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:	178	Resp:	13404
Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.8	19.2
176	19.4	15.4	23.2

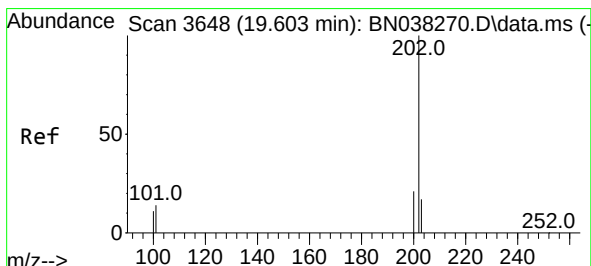
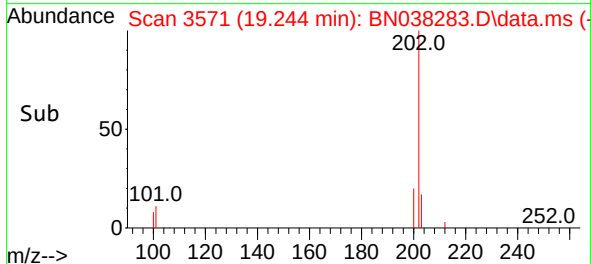
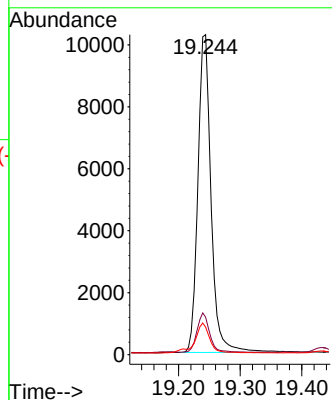
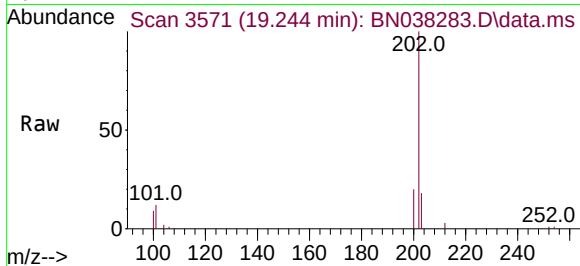




#19
Fluoranthene
Concen: 0.251 ng/ul
RT: 19.244 min Scan# 3570
Delta R.T. -0.006 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

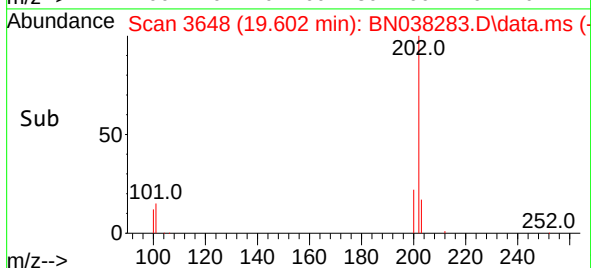
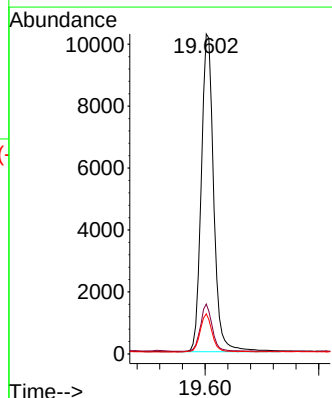
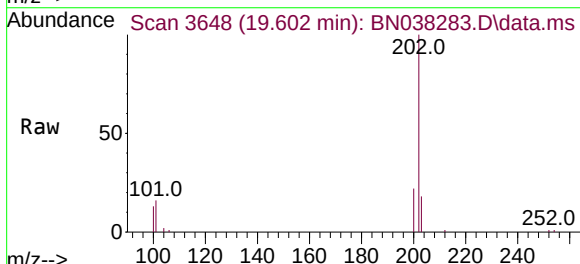
Instrument :
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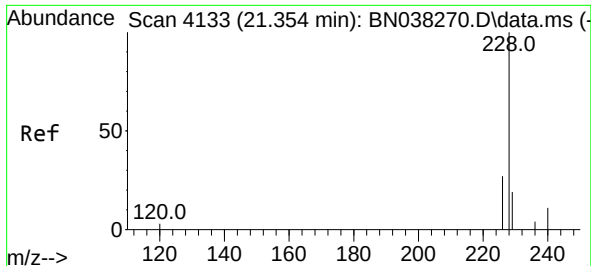
Tgt Ion:202 Resp: 15234
Ion Ratio Lower Upper
202 100
101 11.7 9.3 13.9
100 8.6 7.2 10.8



#20
Pyrene
Concen: 0.259 ng/ul
RT: 19.602 min Scan# 3648
Delta R.T. -0.010 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:202 Resp: 15604
Ion Ratio Lower Upper
202 100
101 15.6 10.6 16.0
100 12.6 8.5 12.7

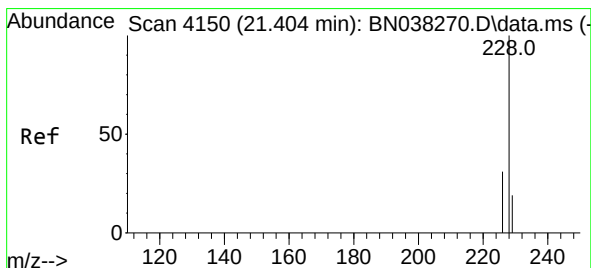
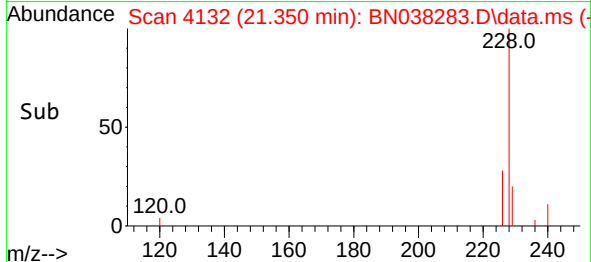
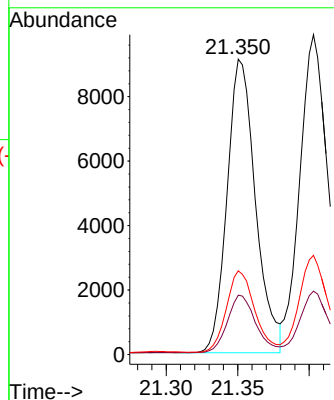
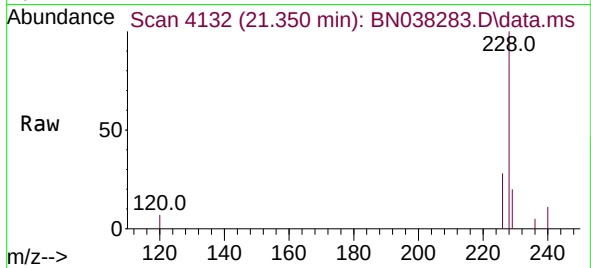




#21
Benzo(a)anthracene
Concen: 0.332 ng/ul
RT: 21.350 min Scan# 4133
Delta R.T. -0.007 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

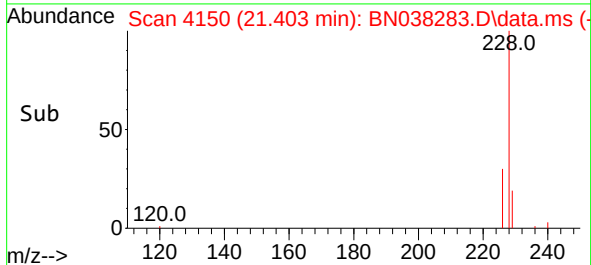
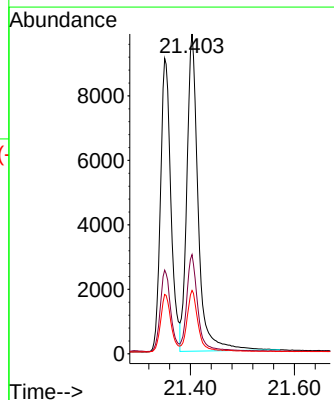
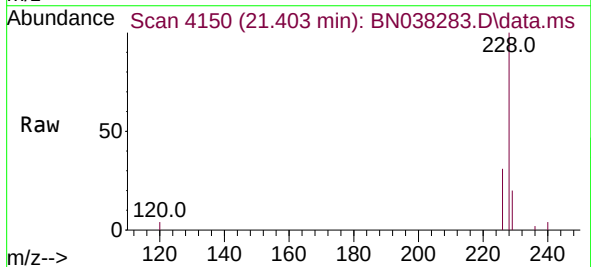
Instrument :
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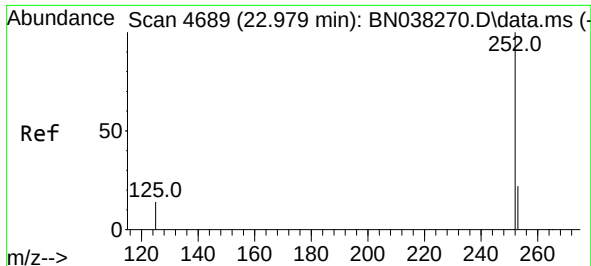
Tgt Ion:228 Resp: 12618
Ion Ratio Lower Upper
228 100
229 20.1 15.6 23.4
226 28.4 22.4 33.6



#22
Chrysene
Concen: 0.315 ng/ul
RT: 21.403 min Scan# 4150
Delta R.T. -0.007 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:228 Resp: 14855
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.4
229 19.8 15.4 23.0

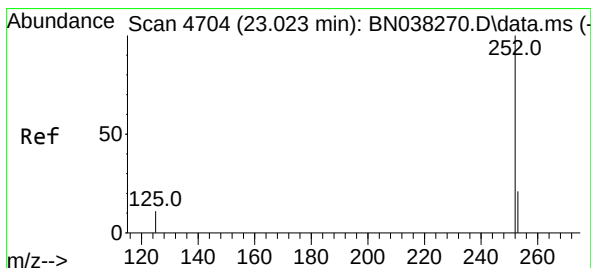
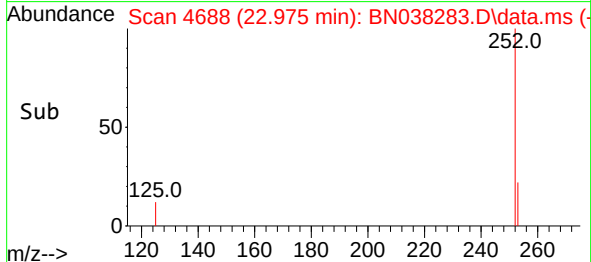
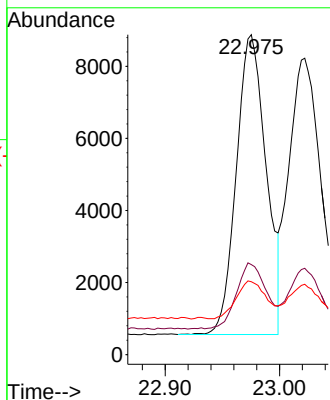
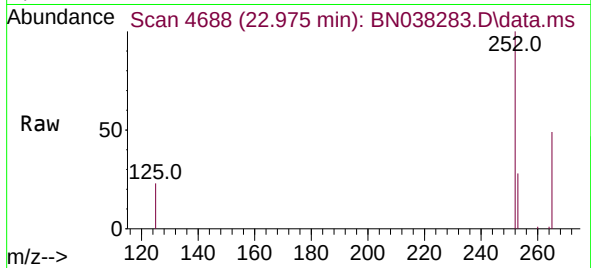




#24
Benzo(b)fluoranthene
Concen: 0.315 ng/ul
RT: 22.975 min Scan# 4688
Delta R.T. -0.007 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

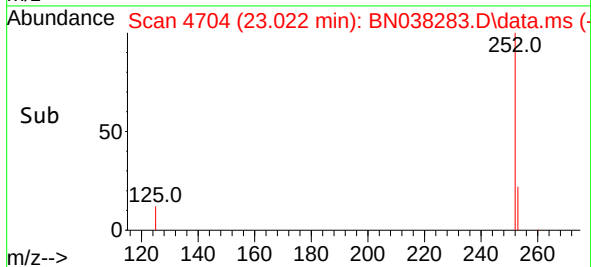
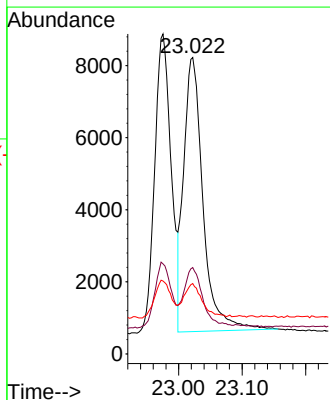
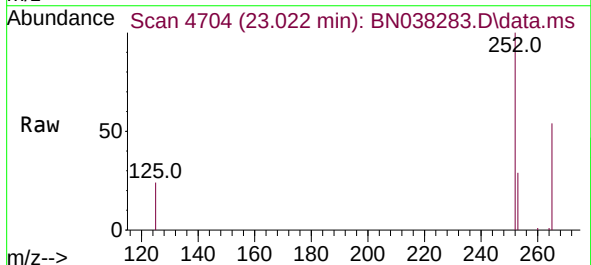
Instrument :
BNA_N
ClientSampleId :
SLCS724

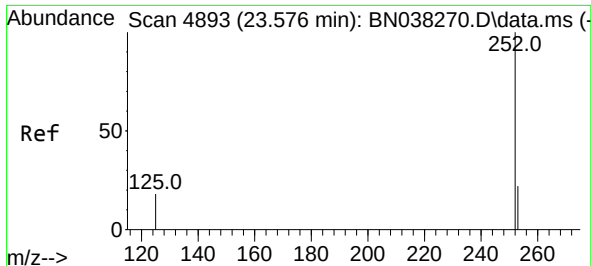
Tgt Ion:252 Resp: 15096
Ion Ratio Lower Upper
252 100
253 28.1 0.0 55.8
125 22.8 0.0 45.6



#25
Benzo(k)fluoranthene
Concen: 0.319 ng/ul
RT: 23.022 min Scan# 4704
Delta R.T. -0.007 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:252 Resp: 16089
Ion Ratio Lower Upper
252 100
253 29.1 22.9 34.3
125 23.8 17.7 26.5

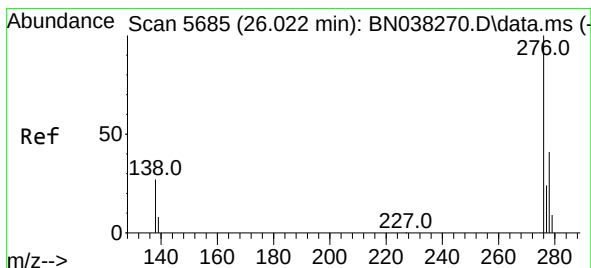
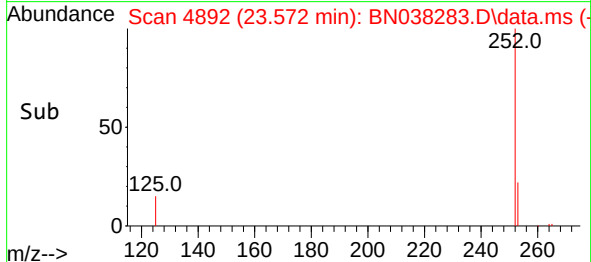
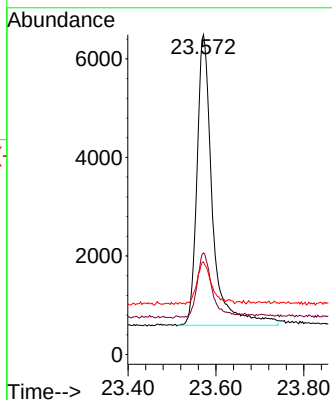
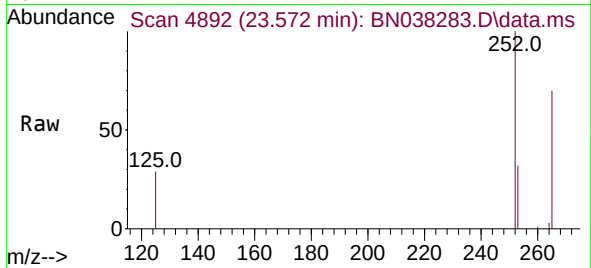




#26
Benzo(a)pyrene
Concen: 0.330 ng/ul
RT: 23.572 min Scan# 4893
Delta R.T. -0.010 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

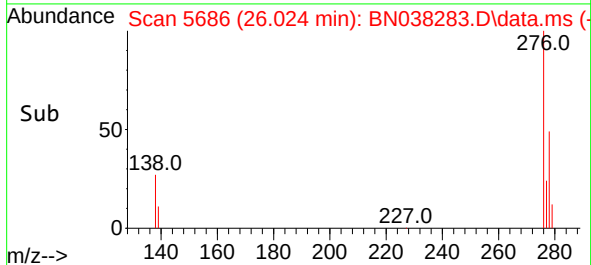
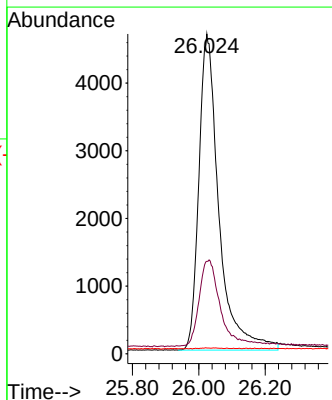
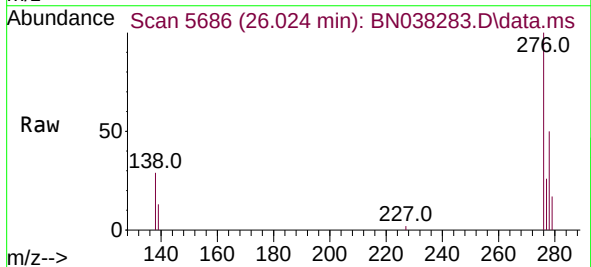
Instrument :
BNA_N
ClientSampleId :
SLCS724

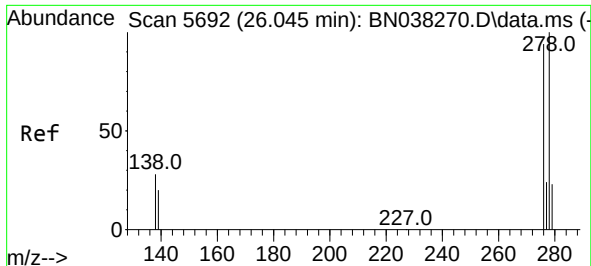
Tgt Ion:252	Resp:	14286
Ion Ratio	Lower	Upper
252	100	
253	31.8	25.9 38.9
125	29.0	24.6 37.0



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.380 ng/ul
RT: 26.024 min Scan# 5686
Delta R.T. -0.014 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:276	Resp:	19562
Ion Ratio	Lower	Upper
276	100	
138	29.0	22.9 34.3
227	0.1	0.0 0.0

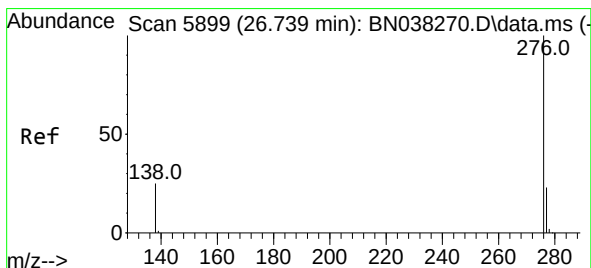
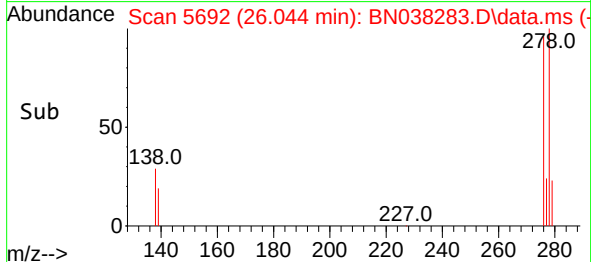
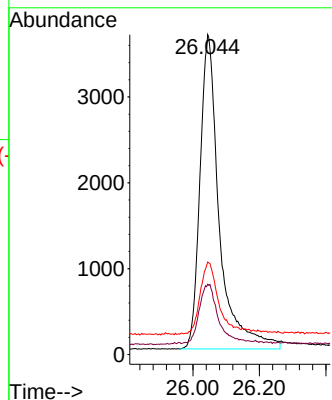
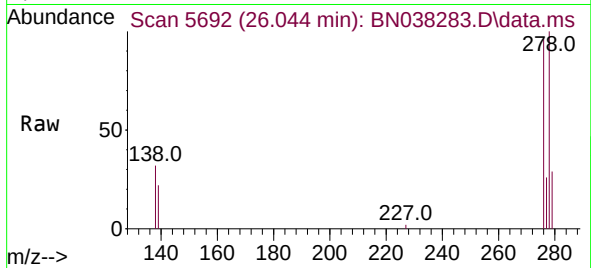




#28
 Dibenzo(a,h)anthracene
 Concen: 0.410 ng/ul
 RT: 26.044 min Scan# 5692
 Delta R.T. -0.011 min
 Lab File: BN038283.D
 Acq: 05 Dec 2025 19:57

Instrument :
 BNA_N
 ClientSampleId :
 SLCS724

Tgt Ion:278 Resp: 14807
 Ion Ratio Lower Upper
 278 100
 139 22.0 18.1 27.1
 279 28.9 25.0 37.4



#29
 Benzo(g,h,i)perylene
 Concen: 0.353 ng/ul
 RT: 26.738 min Scan# 5899
 Delta R.T. -0.014 min
 Lab File: BN038283.D
 Acq: 05 Dec 2025 19:57

Tgt Ion:276 Resp: 17097
 Ion Ratio Lower Upper
 276 100
 138 27.1 21.6 32.4
 277 24.7 19.8 29.6

