

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
 Data File : BN038209.D
 Acq On : 26 Nov 2025 18:07
 Operator : RC/JU
 Sample : SSTD3.296
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD3.2230

Quant Time: Nov 28 21:36:08 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)

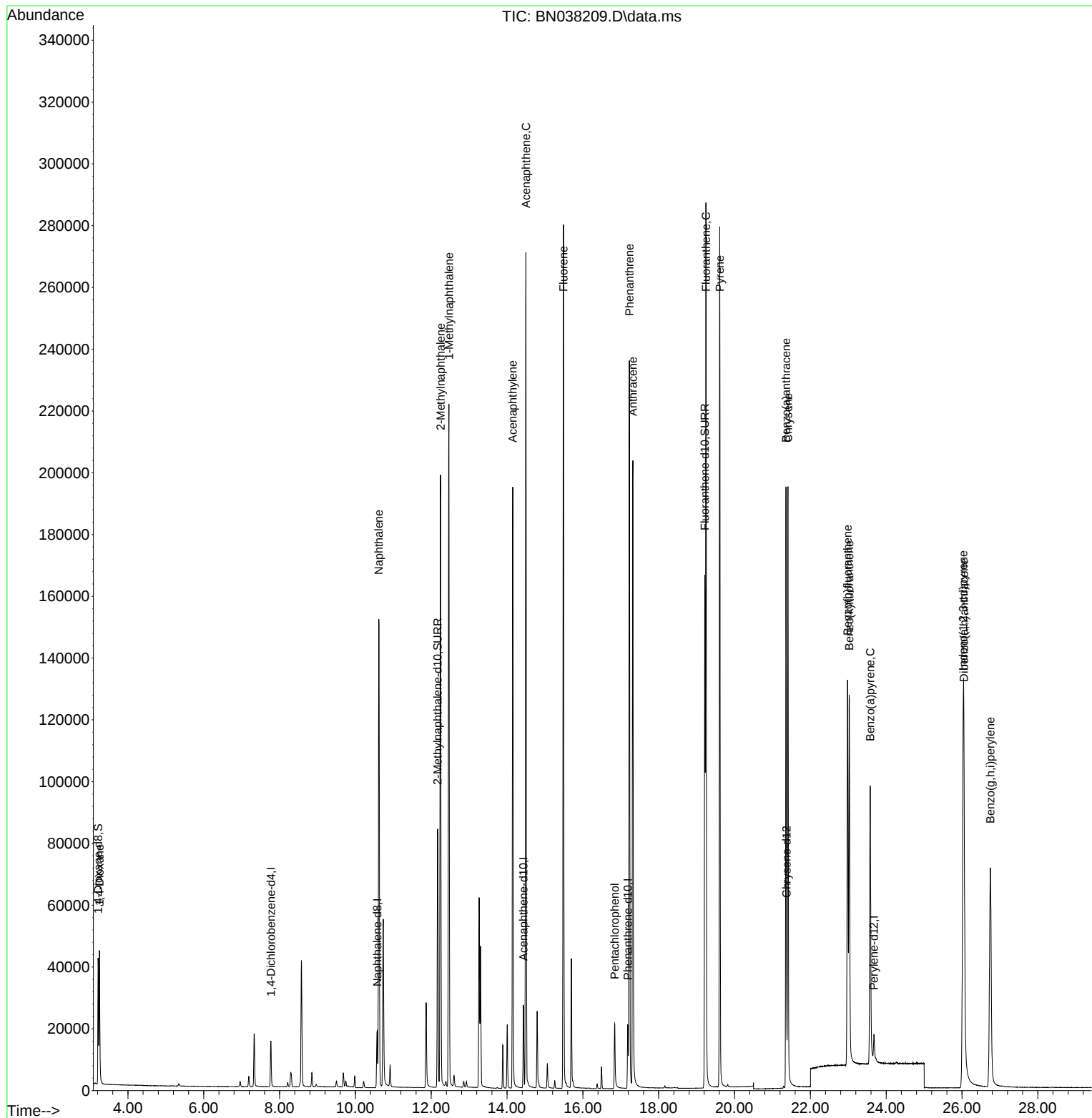
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.771	152	7804	0.400	ng/u1	0.00
4) Naphthalene-d8	10.573	136	25246	0.400	ng/u1	0.00
9) Acenaphthene-d10	14.432	164	14374	0.400	ng/u1	0.00
13) Phenanthrene-d10	17.184	188	24669	0.400	ng/u1	0.00
17) Chrysene-d12	21.374	240	14639	0.400	ng/u1	0.00
23) Perylene-d12	23.677	264	12532	0.400	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	24869	3.015	ng/u1	0.00
6) 2-Methylnaphthalene-d10	12.168	152	111537	3.129	ng/u1	0.00
18) Fluoranthene-d10	19.216	212	175638	3.720	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.248	88	28311	3.252	ng/u1	89
5) Naphthalene	10.617	128	208444	3.036	ng/u1	99
7) 2-Methylnaphthalene	12.245	142	144754	3.159	ng/u1	99
8) 1-Methylnaphthalene	12.465	142	152052	3.146	ng/u1	100
10) Acenaphthylene	14.150	152	216789	3.176	ng/u1	99
11) Acenaphthene	14.497	153	153104	3.055	ng/u1	98
12) Fluorene	15.487	166	172847	3.053	ng/u1	100
14) Pentachlorophenol	16.838	266	16804	2.907	ng/u1	98
15) Phenanthrene	17.226	178	247519	3.109	ng/u1	99
16) Anthracene	17.319	178	226658	3.245	ng/u1	98
19) Fluoranthene	19.244	202	244188	3.741	ng/u1	99
20) Pyrene	19.611	202	234744	3.638	ng/u1	99
21) Benzo(a)anthracene	21.356	228	164188	3.137	ng/u1	99
22) Chrysene	21.409	228	174676	3.063	ng/u1	99
24) Benzo(b)fluoranthene	22.981	252	162490	3.030	ng/u1	85
25) Benzo(k)fluoranthene	23.025	252	164958	3.070	ng/u1#	85
26) Benzo(a)pyrene	23.578	252	145070	3.226	ng/u1#	77
27) Indeno(1,2,3-cd)pyrene	26.031	276	191155	3.510	ng/u1#	98
28) Dibenzo(a,h)anthracene	26.051	278	145185	3.506	ng/u1#	89
29) Benzo(g,h,i)perylene	26.748	276	160804	3.491	ng/u1	96

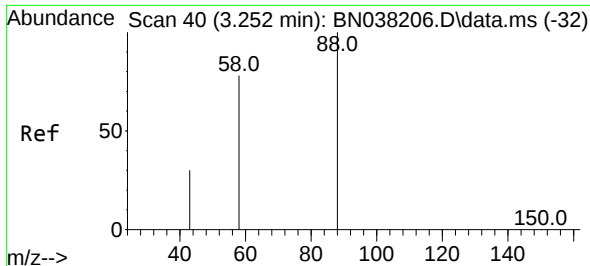
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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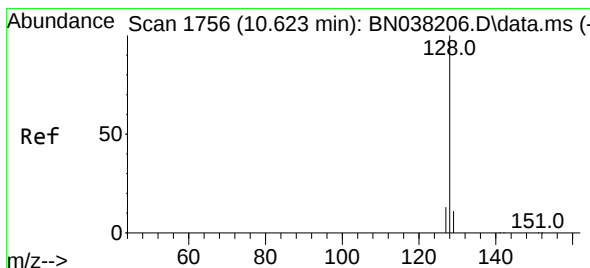
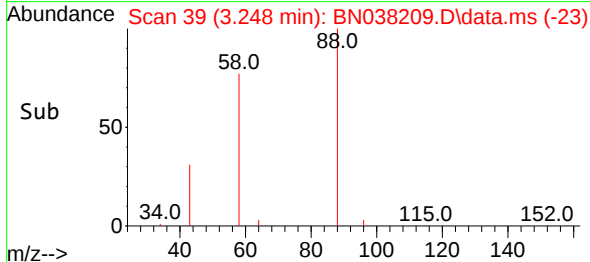
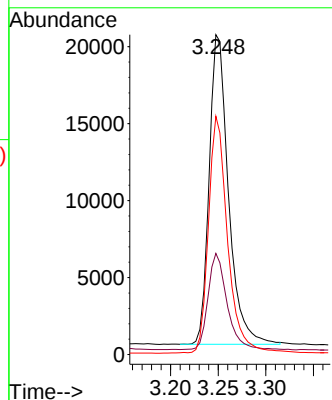
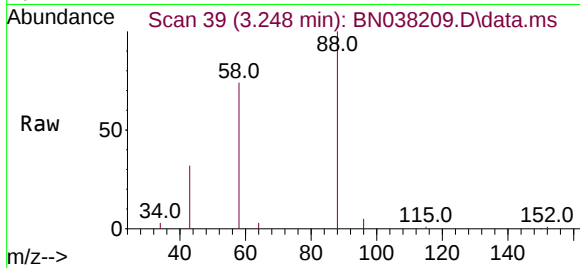


#2
 1,4-Dioxane
 Concen: 3.252 ng/ul
 RT: 3.248 min Scan# 39
 Delta R.T. -0.004 min
 Lab File: BN038209.D
 Acq: 26 Nov 2025 18:07

Instrument :
 BNA_N
 ClientSampleId :
 SSTD3.2230

Tgt Ion: 88 Resp: 28311

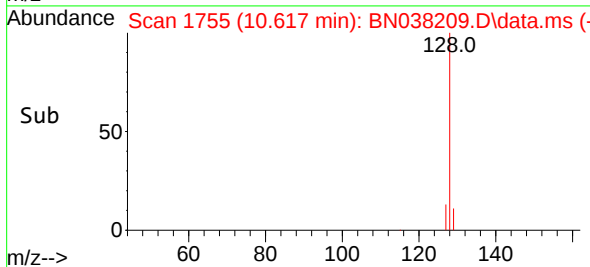
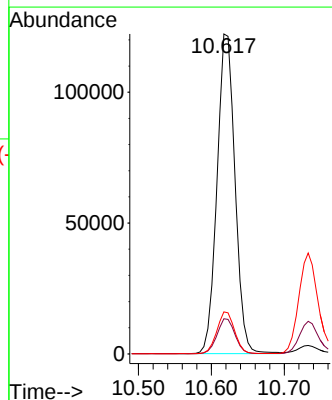
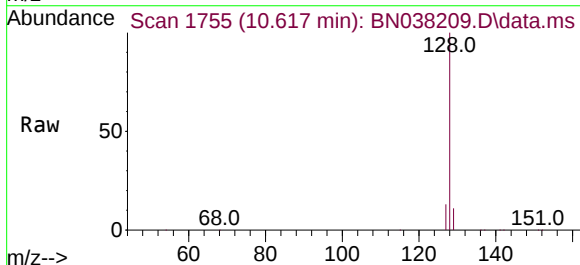
Ion	Ratio	Lower	Upper
88	100		
43	31.6	27.5	41.3
58	74.5	50.5	75.7

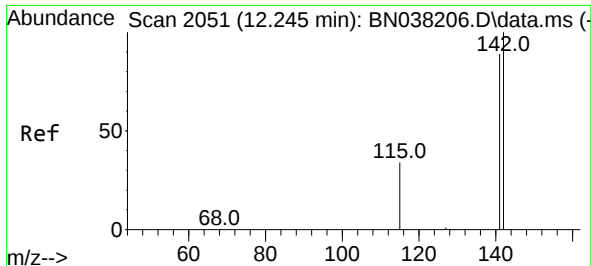


#5
 Naphthalene
 Concen: 3.036 ng/ul
 RT: 10.617 min Scan# 1755
 Delta R.T. -0.005 min
 Lab File: BN038209.D
 Acq: 26 Nov 2025 18:07

Tgt Ion:128 Resp: 208444

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.1	10.6	16.0

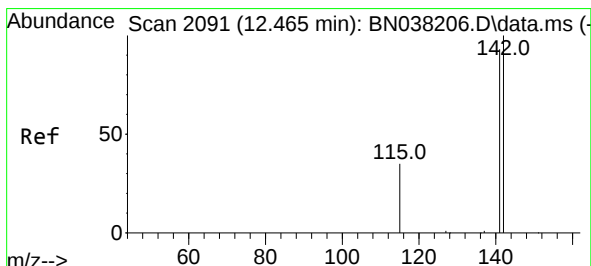
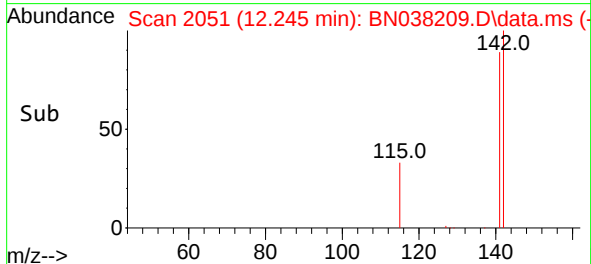
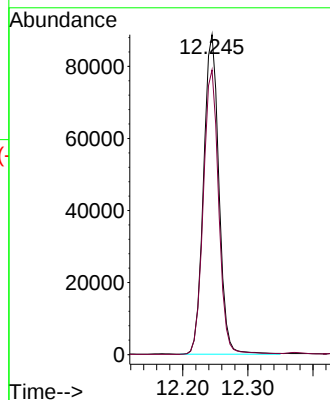
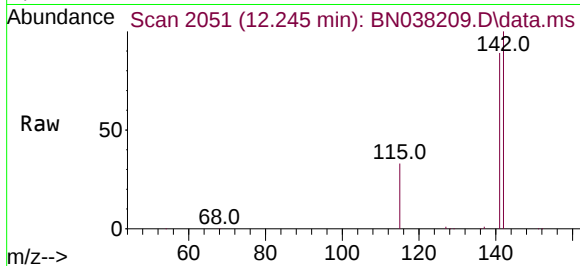




#7
2-Methylnaphthalene
Concen: 3.159 ng/ul
RT: 12.245 min Scan# 2051
Delta R.T. 0.000 min
Lab File: BN038209.D
Acq: 26 Nov 2025 18:07

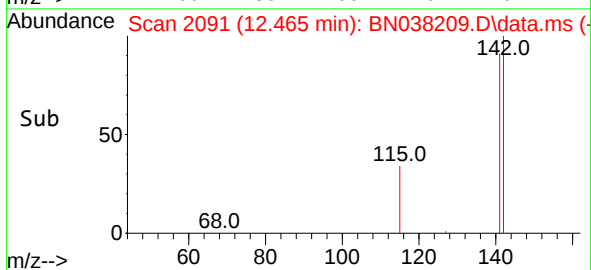
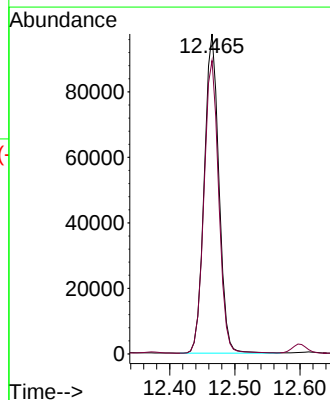
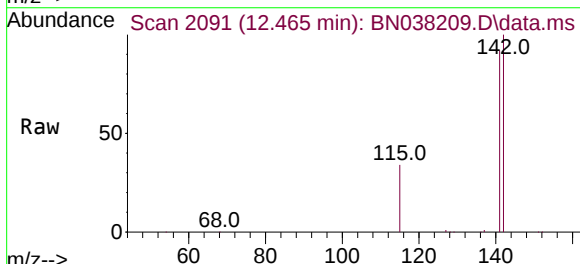
Instrument :
BNA_N
ClientSampleId :
SSTD3.2230

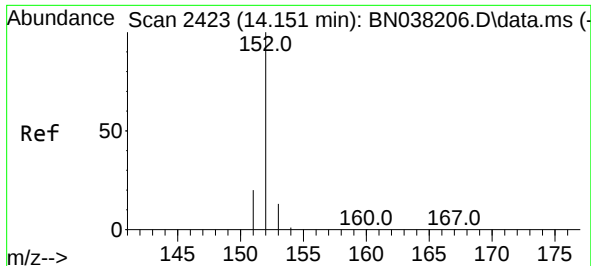
Tgt Ion:142 Resp: 144754
Ion Ratio Lower Upper
142 100
141 89.1 71.7 107.5



#8
1-Methylnaphthalene
Concen: 3.146 ng/ul
RT: 12.465 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BN038209.D
Acq: 26 Nov 2025 18:07

Tgt Ion:142 Resp: 152052
Ion Ratio Lower Upper
142 100
141 92.3 74.1 111.1

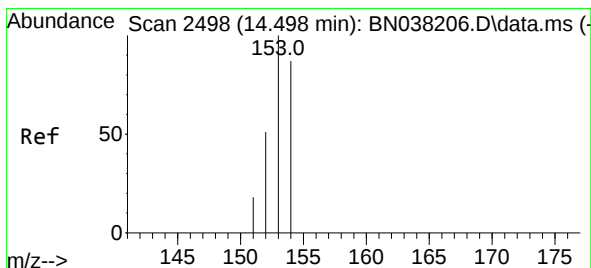
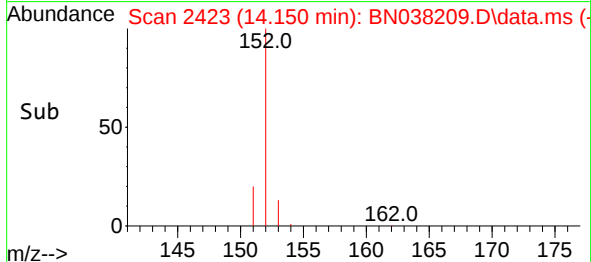
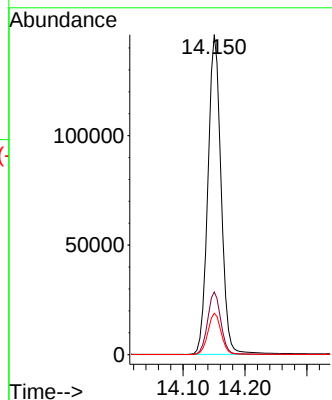
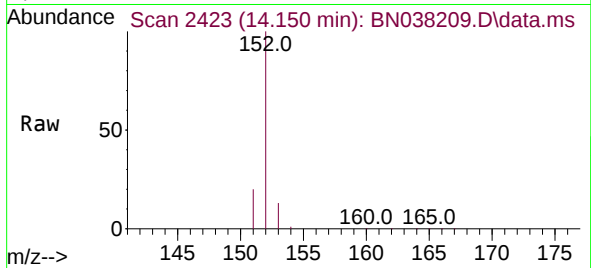




#10
Acenaphthylene
Concen: 3.176 ng/ul
RT: 14.150 min Scan# 2423
Delta R.T. -0.001 min
Lab File: BN038209.D
Acq: 26 Nov 2025 18:07

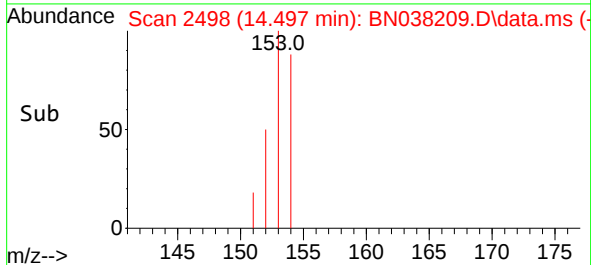
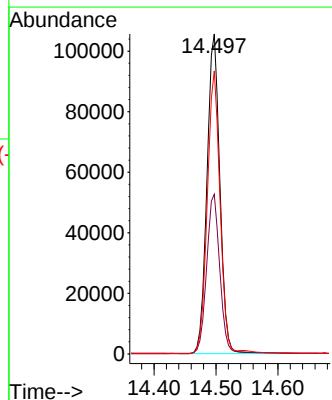
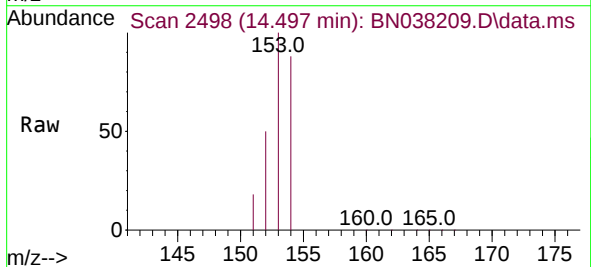
Instrument :
BNA_N
ClientSampleId :
SSTD3.2230

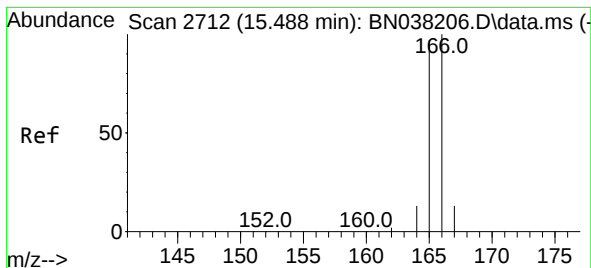
Tgt Ion:152 Resp: 216789
Ion Ratio Lower Upper
152 100
151 19.6 16.0 24.0
153 12.9 10.7 16.1



#11
Acenaphthene
Concen: 3.055 ng/ul
RT: 14.497 min Scan# 2498
Delta R.T. -0.001 min
Lab File: BN038209.D
Acq: 26 Nov 2025 18:07

Tgt Ion:153 Resp: 153104
Ion Ratio Lower Upper
153 100
152 49.9 41.4 62.0
154 88.4 69.7 104.5





#12

Fluorene

Concen: 3.053 ng/ul

RT: 15.487 min Scan# 21

Delta R.T. -0.001 min

Lab File: BN038209.D

Acq: 26 Nov 2025 18:07

Instrument :

BNA_N

ClientSampleId :

SSTD3.2230

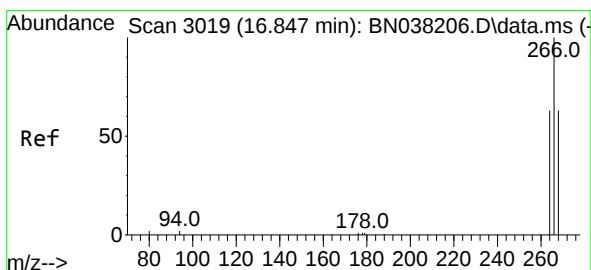
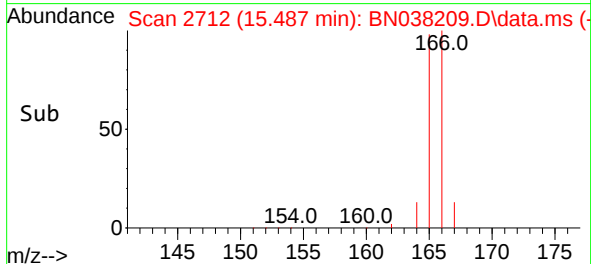
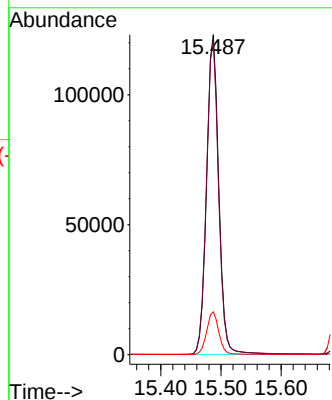
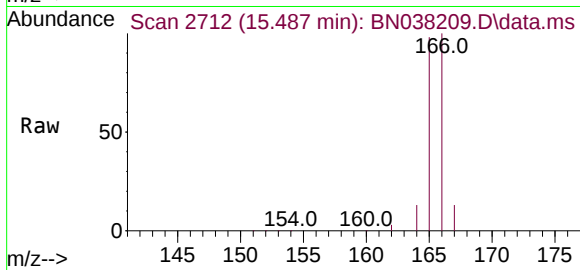
Tgt Ion:166 Resp: 172847

Ion Ratio Lower Upper

166 100

165 97.7 78.1 117.1

167 13.4 11.0 16.4



#14

Pentachlorophenol

Concen: 2.907 ng/ul

RT: 16.838 min Scan# 3017

Delta R.T. -0.009 min

Lab File: BN038209.D

Acq: 26 Nov 2025 18:07

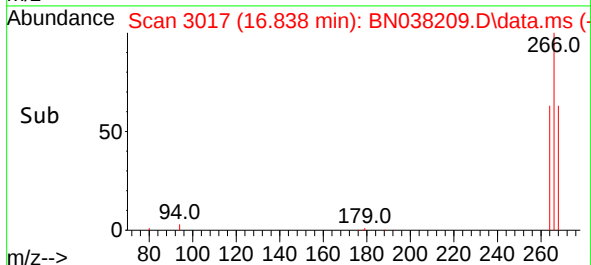
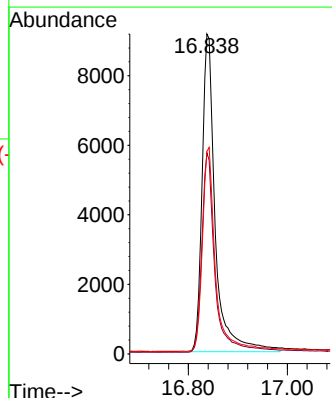
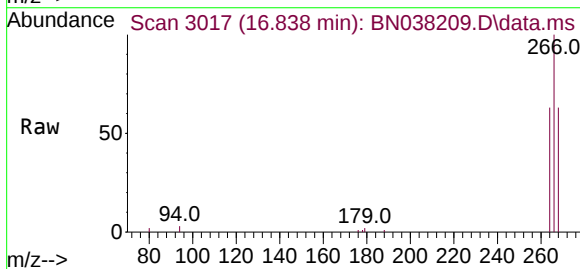
Tgt Ion:266 Resp: 16804

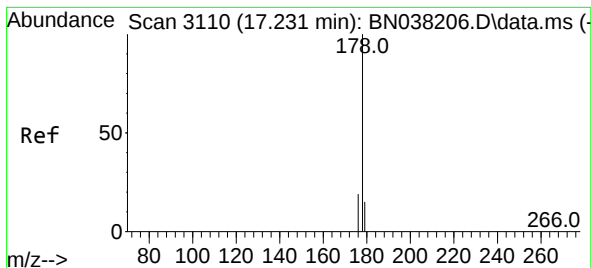
Ion Ratio Lower Upper

266 100

264 62.5 49.3 73.9

268 64.2 53.7 80.5





#15

Phenanthrene

Concen: 3.109 ng/ul

RT: 17.226 min Scan# 3110

Delta R.T. -0.005 min

Lab File: BN038209.D

Acq: 26 Nov 2025 18:07

Instrument :

BNA_N

ClientSampleId :

SSTD3.2230

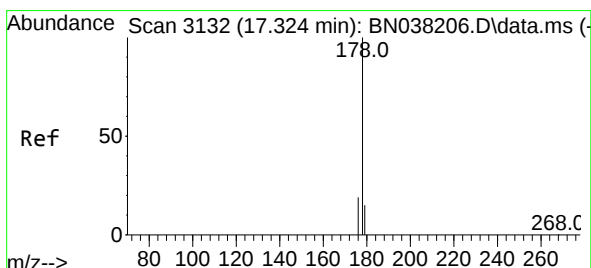
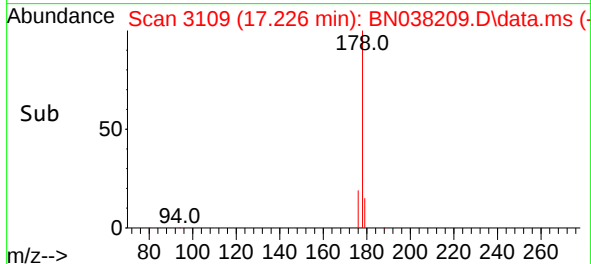
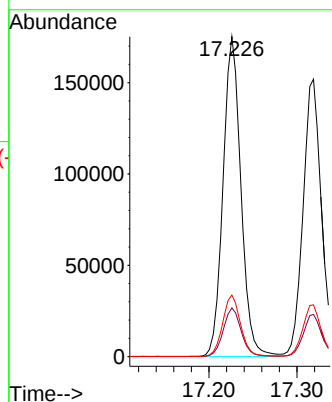
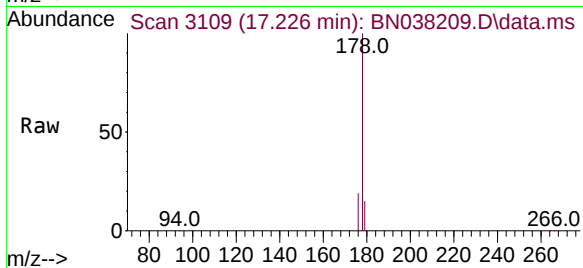
Tgt Ion:178 Resp: 247519

Ion Ratio Lower Upper

178 100

179 15.2 12.4 18.6

176 19.2 15.8 23.6



#16

Anthracene

Concen: 3.245 ng/ul

RT: 17.319 min Scan# 3131

Delta R.T. -0.005 min

Lab File: BN038209.D

Acq: 26 Nov 2025 18:07

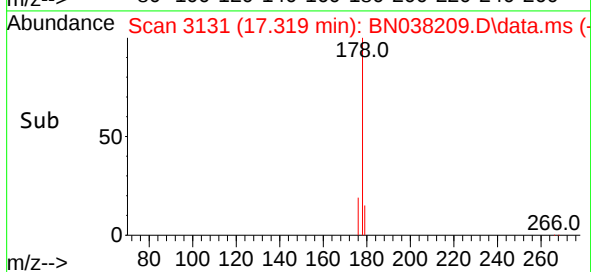
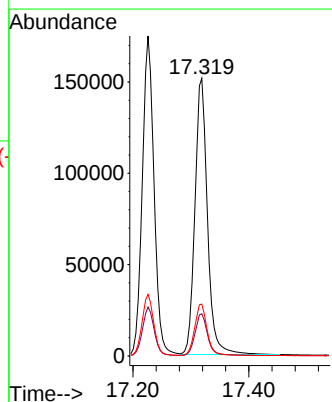
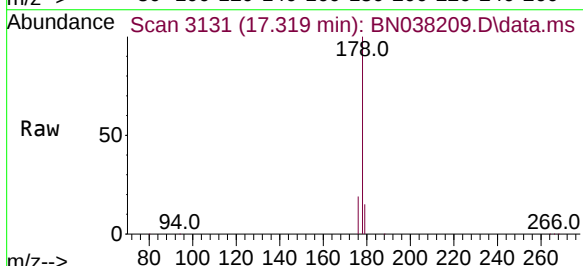
Tgt Ion:178 Resp: 226658

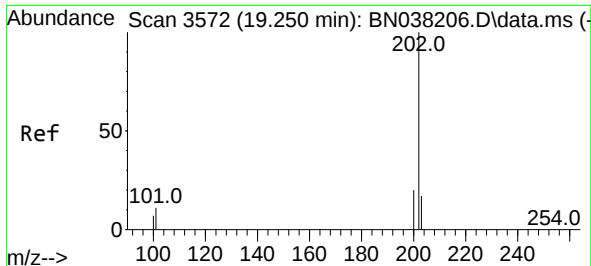
Ion Ratio Lower Upper

178 100

179 15.2 12.8 19.2

176 18.6 15.4 23.2

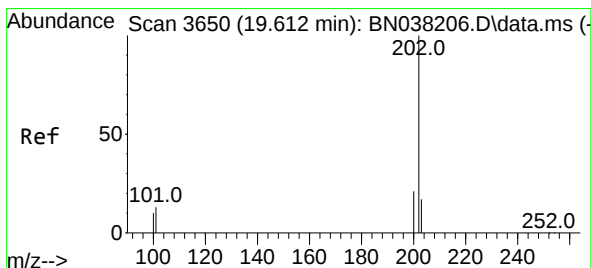
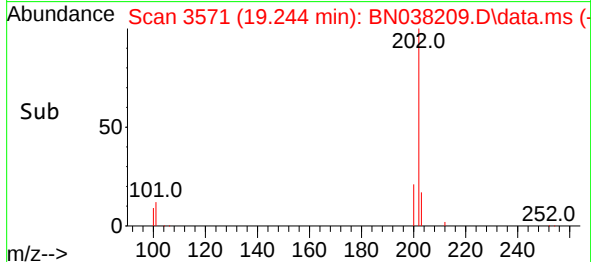
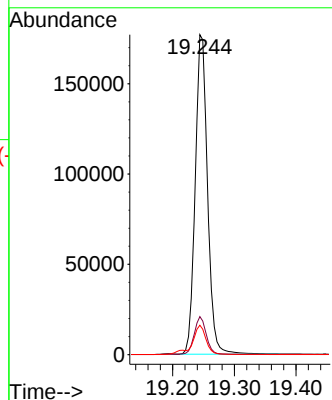
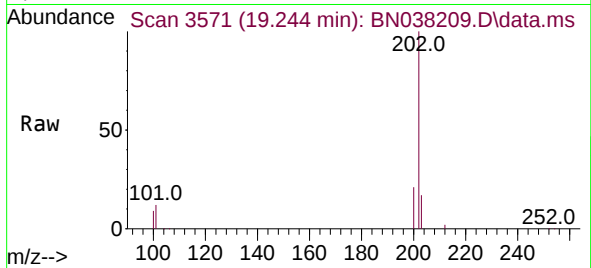




#19
Fluoranthene
Concen: 3.741 ng/ul
RT: 19.244 min Scan# 3571
Delta R.T. -0.005 min
Lab File: BN038209.D
Acq: 26 Nov 2025 18:07

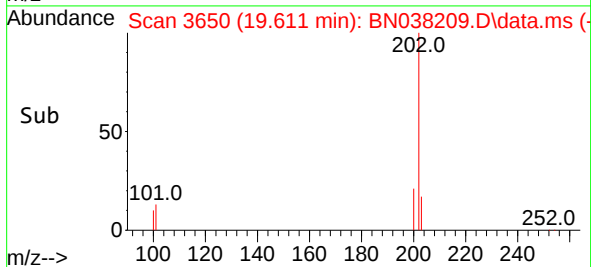
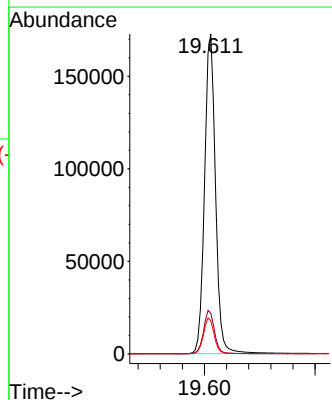
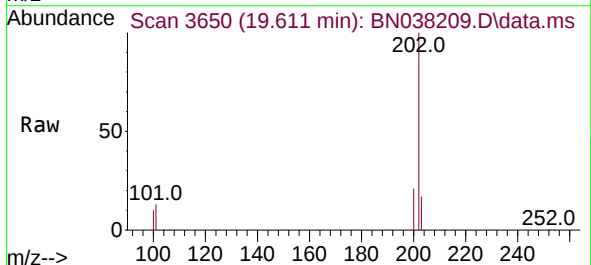
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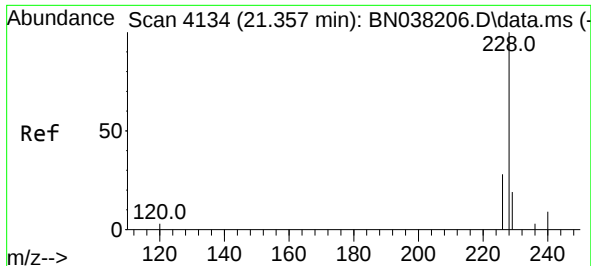
Tgt Ion:202 Resp: 244188
Ion Ratio Lower Upper
202 100
101 11.9 9.3 13.9
100 9.2 7.2 10.8



#20
Pyrene
Concen: 3.638 ng/ul
RT: 19.611 min Scan# 3650
Delta R.T. -0.001 min
Lab File: BN038209.D
Acq: 26 Nov 2025 18:07

Tgt Ion:202 Resp: 234744
Ion Ratio Lower Upper
202 100
101 12.7 10.6 16.0
100 10.3 8.5 12.7

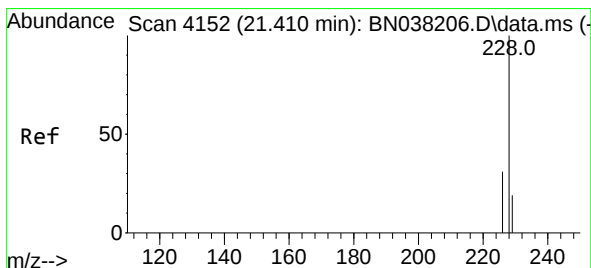
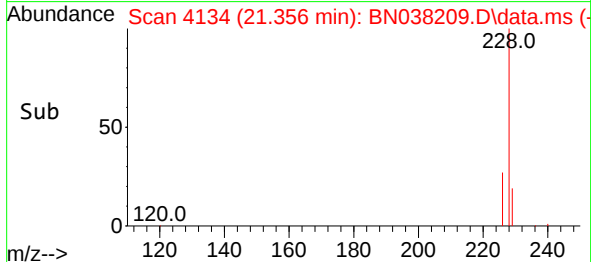
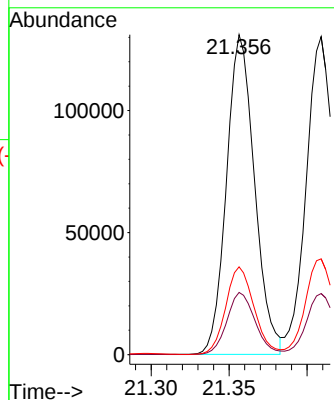
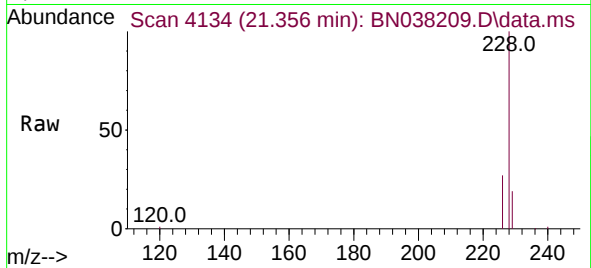




#21
Benzo(a)anthracene
Concen: 3.137 ng/ul
RT: 21.356 min Scan# 4134
Delta R.T. -0.001 min
Lab File: BN038209.D
Acq: 26 Nov 2025 18:07

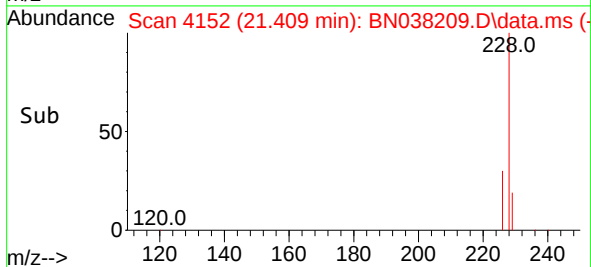
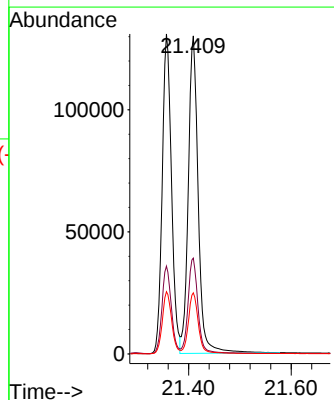
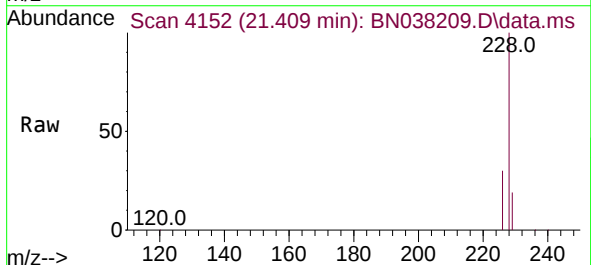
Instrument :
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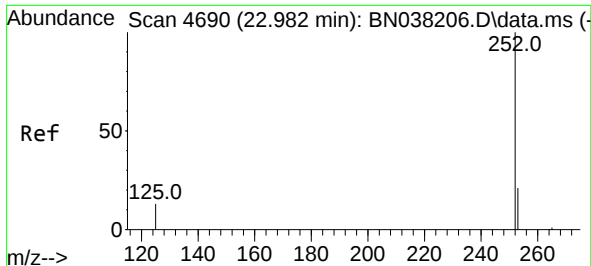
Tgt Ion:228 Resp: 164188
Ion Ratio Lower Upper
228 100
229 19.4 15.6 23.4
226 27.4 22.4 33.6



#22
Chrysene
Concen: 3.063 ng/ul
RT: 21.409 min Scan# 4152
Delta R.T. -0.001 min
Lab File: BN038209.D
Acq: 26 Nov 2025 18:07

Tgt Ion:228 Resp: 174676
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.4
229 19.2 15.4 23.0

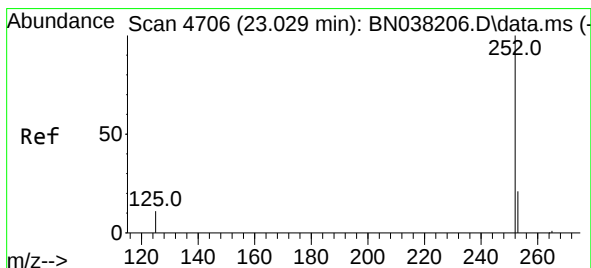
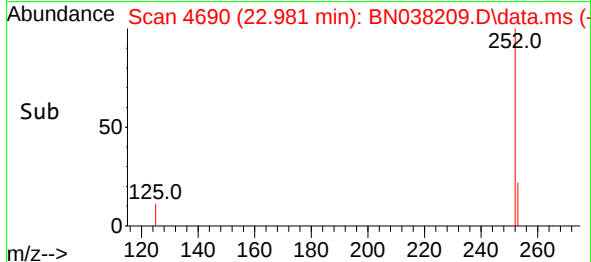
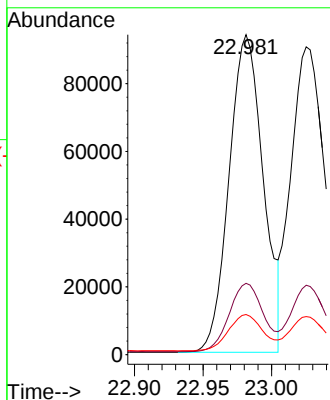
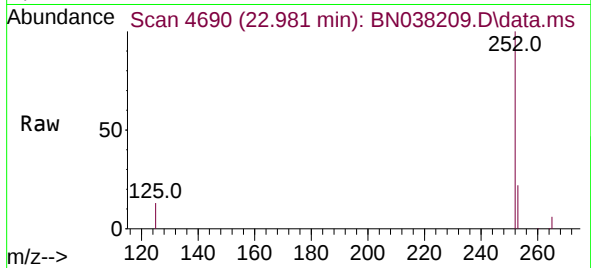




#24
Benzo(b)fluoranthene
Concen: 3.030 ng/ul
RT: 22.981 min Scan# 4690
Delta R.T. -0.001 min
Lab File: BN038209.D
Acq: 26 Nov 2025 18:07

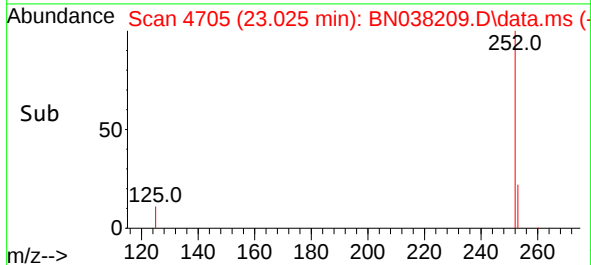
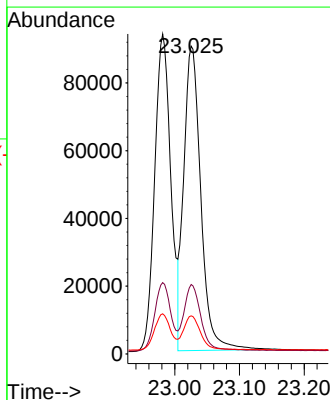
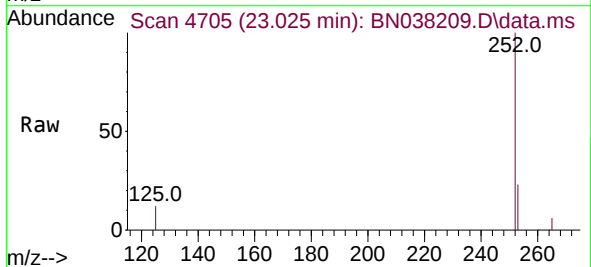
Instrument :
BNA_N
ClientSampleId :
SSTD3.2230

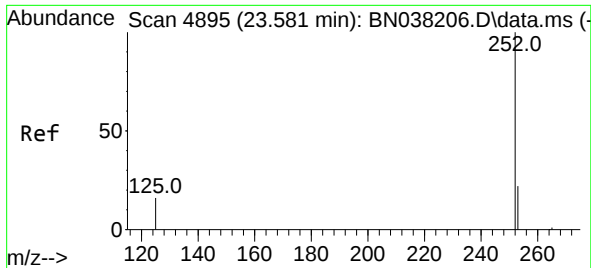
Tgt Ion:252 Resp: 162490
Ion Ratio Lower Upper
252 100
253 22.3 0.0 55.8
125 12.5 0.0 45.6



#25
Benzo(k)fluoranthene
Concen: 3.070 ng/ul
RT: 23.025 min Scan# 4705
Delta R.T. -0.004 min
Lab File: BN038209.D
Acq: 26 Nov 2025 18:07

Tgt Ion:252 Resp: 164958
Ion Ratio Lower Upper
252 100
253 22.5 22.9 34.3#
125 12.3 17.7 26.5#

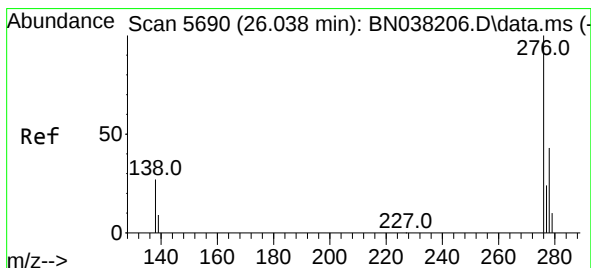
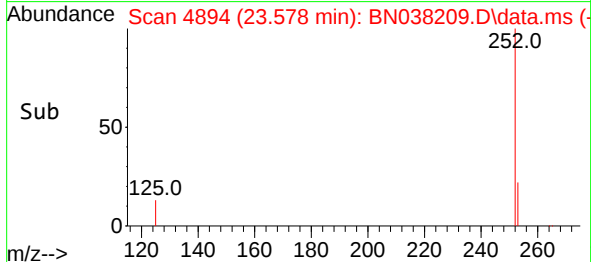
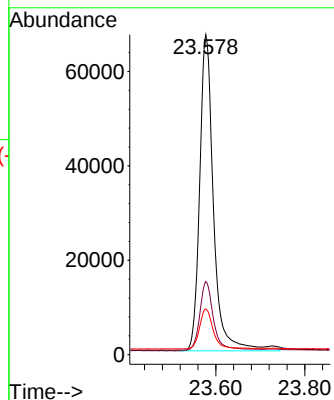
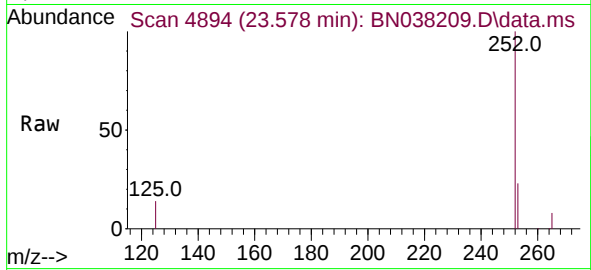




#26
Benzo(a)pyrene
Concen: 3.226 ng/ul
RT: 23.578 min Scan# 4894
Delta R.T. -0.004 min
Lab File: BN038209.D
Acq: 26 Nov 2025 18:07

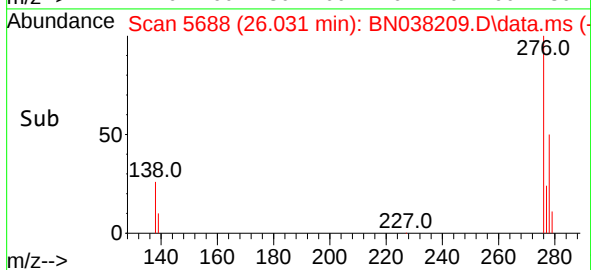
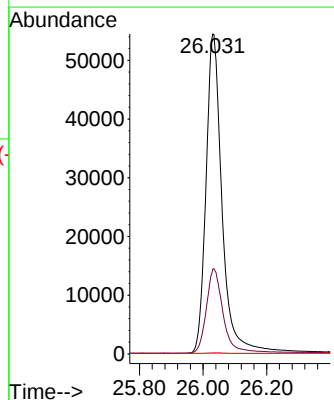
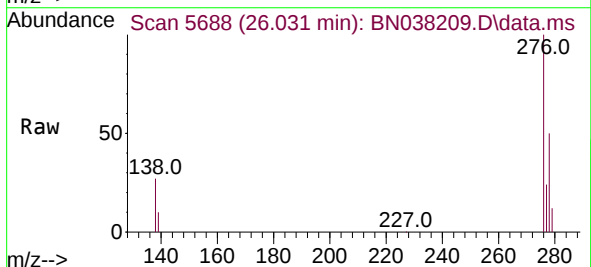
Instrument :
BNA_N
ClientSampleId :
SSTD3.2230

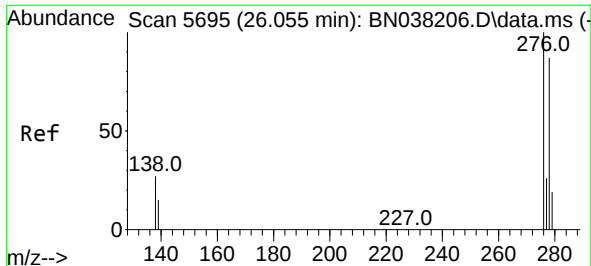
Tgt Ion:252 Resp: 145070
Ion Ratio Lower Upper
252 100
253 22.8 25.9 38.9#
125 14.3 24.6 37.0#



#27
Indeno(1,2,3-cd)pyrene
Concen: 3.510 ng/ul
RT: 26.031 min Scan# 5688
Delta R.T. -0.008 min
Lab File: BN038209.D
Acq: 26 Nov 2025 18:07

Tgt Ion:276 Resp: 191155
Ion Ratio Lower Upper
276 100
138 27.6 22.9 34.3
227 0.2 0.0 0.0#

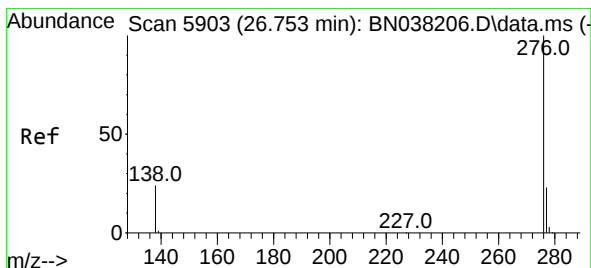
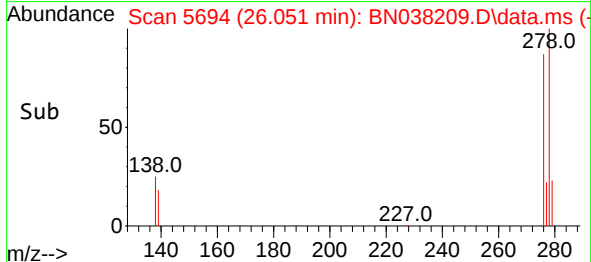
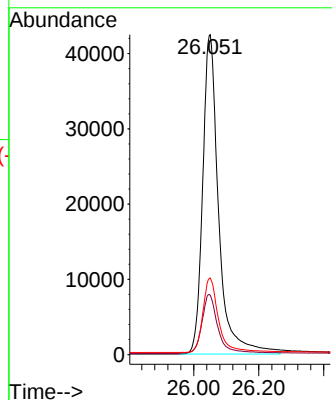
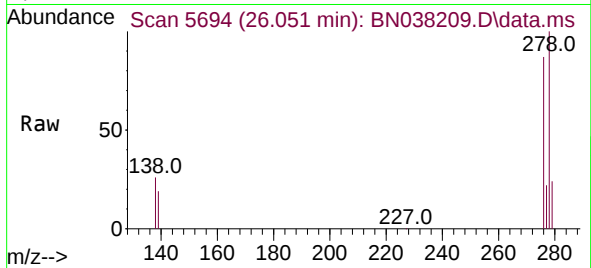




#28
Dibenzo(a,h)anthracene
Concen: 3.506 ng/ul
RT: 26.051 min Scan# 5695
Delta R.T. -0.004 min
Lab File: BN038209.D
Acq: 26 Nov 2025 18:07

Instrument :
BNA_N
ClientSampleId :
SSTD3.2230

Tgt Ion:278 Resp: 145185
Ion Ratio Lower Upper
278 100
139 18.5 18.1 27.1
279 23.9 25.0 37.4#



#29
Benzo(g,h,i)perylene
Concen: 3.491 ng/ul
RT: 26.748 min Scan# 5902
Delta R.T. -0.004 min
Lab File: BN038209.D
Acq: 26 Nov 2025 18:07

Tgt Ion:276 Resp: 160804
Ion Ratio Lower Upper
276 100
138 24.1 21.6 32.4
277 23.4 19.8 29.6

