

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
 Data File : BN038208.D
 Acq On : 26 Nov 2025 17:31
 Operator : RC/JU
 Sample : SSTD1.695
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD1.6229

Quant Time: Nov 28 21:35:53 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

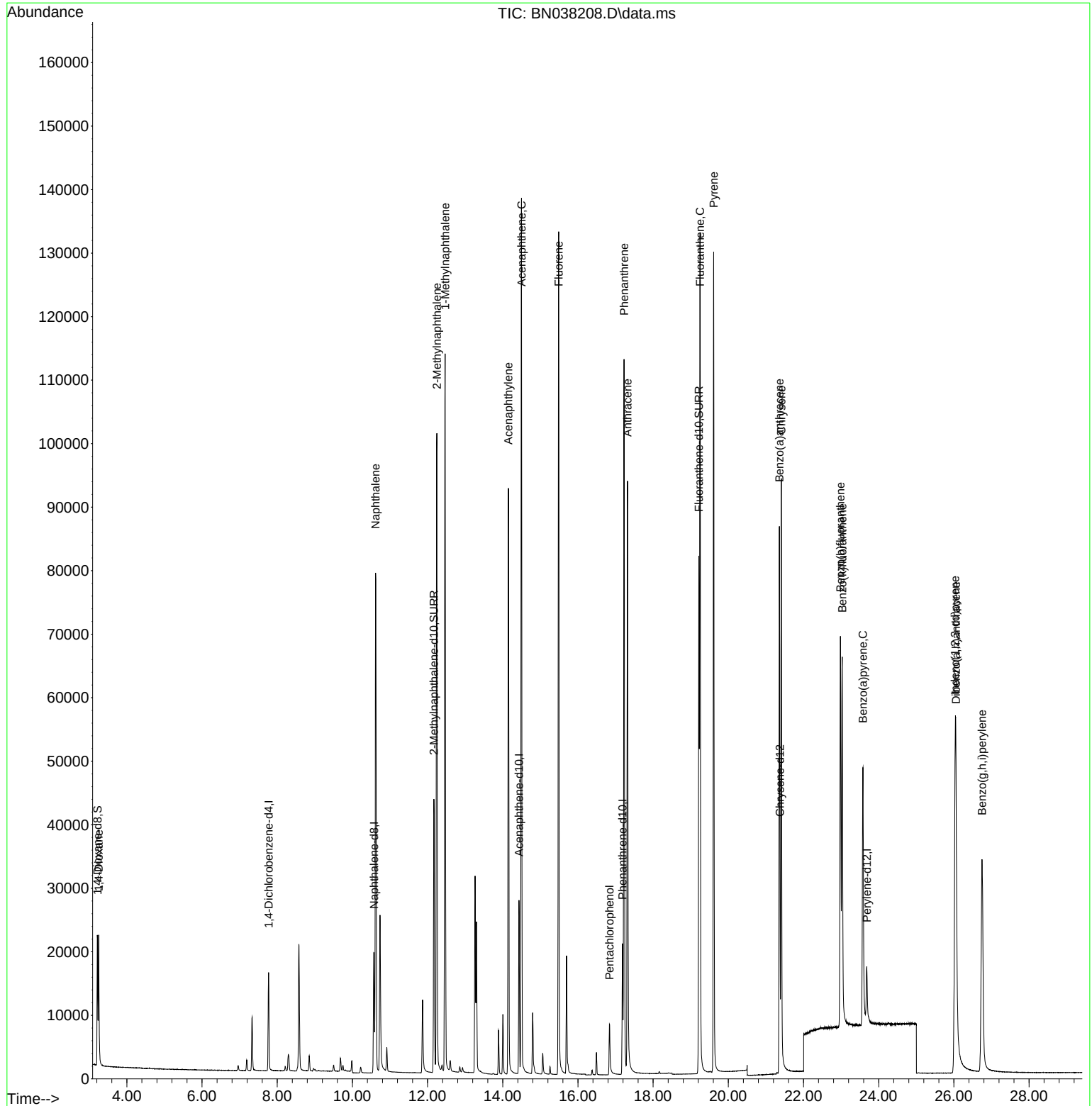
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.771	152	8169	0.400 ng/ul	0.00
4) Naphthalene-d8	10.573	136	26219	0.400 ng/ul	0.00
9) Acenaphthene-d10	14.432	164	14768	0.400 ng/ul	0.00
13) Phenanthrene-d10	17.184	188	25481	0.400 ng/ul	0.00
17) Chrysene-d12	21.374	240	14477	0.400 ng/ul	0.00
23) Perylene-d12	23.683	264	12823	0.400 ng/ul	0.00
System Monitoring Compounds					
3) 1,4-Dioxane-d8	3.218	96	13140	1.522 ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.168	152	57755	1.560 ng/ul	0.00
18) Fluoranthene-d10	19.216	212	86835	1.860 ng/ul	0.00
Target Compounds					
					Qvalue
2) 1,4-Dioxane	3.252	88	14062	1.543 ng/ul	91
5) Naphthalene	10.617	128	108995	1.529 ng/ul	100
7) 2-Methylnaphthalene	12.245	142	75120	1.579 ng/ul	99
8) 1-Methylnaphthalene	12.465	142	78812	1.570 ng/ul	100
10) Acenaphthylene	14.150	152	108961	1.554 ng/ul	99
11) Acenaphthene	14.497	153	79052	1.535 ng/ul	98
12) Fluorene	15.487	166	87464	1.504 ng/ul	100
14) Pentachlorophenol	16.838	266	7124	1.193 ng/ul	98
15) Phenanthrene	17.226	178	124946	1.519 ng/ul	99
16) Anthracene	17.319	178	111076	1.539 ng/ul	99
19) Fluoranthene	19.249	202	121655	1.885 ng/ul	98
20) Pyrene	19.611	202	117047	1.834 ng/ul	99
21) Benzo(a)anthracene	21.356	228	78603	1.519 ng/ul	100
22) Chrysene	21.409	228	87643	1.554 ng/ul	99
24) Benzo(b)fluoranthene	22.981	252	79640	1.451 ng/ul	86
25) Benzo(k)fluoranthene	23.028	252	83747	1.523 ng/ul#	86
26) Benzo(a)pyrene	23.581	252	71397	1.551 ng/ul#	79
27) Indeno(1,2,3-cd)pyrene	26.034	276	92281	1.656 ng/ul#	98
28) Dibenzo(a,h)anthracene	26.054	278	68785	1.624 ng/ul#	90
29) Benzo(g,h,i)perylene	26.748	276	80955	1.717 ng/ul	96

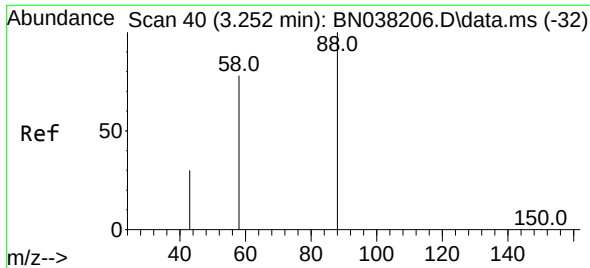
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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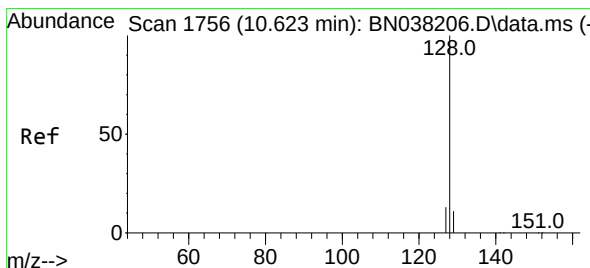
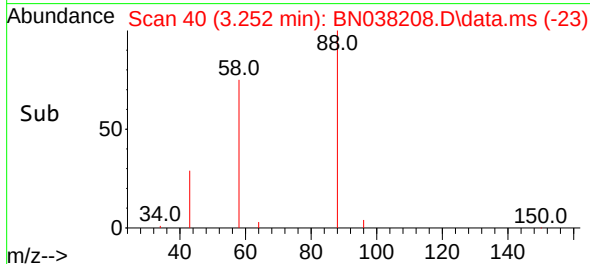
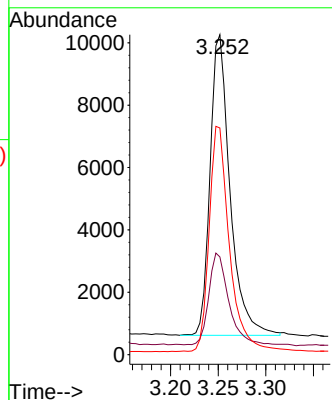
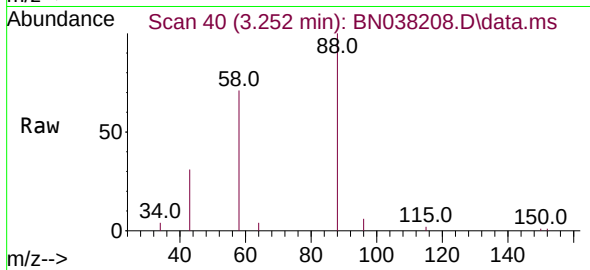




#2
1,4-Dioxane
Concen: 1.543 ng/ul
RT: 3.252 min Scan# 40
Delta R.T. 0.000 min
Lab File: BN038208.D
Acq: 26 Nov 2025 17:31

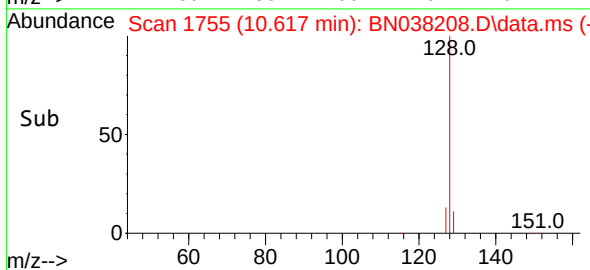
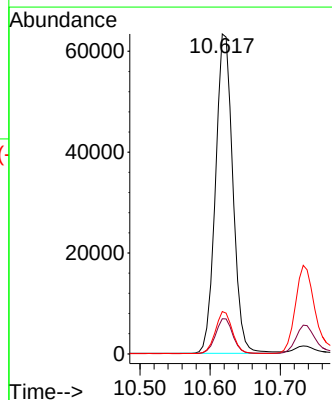
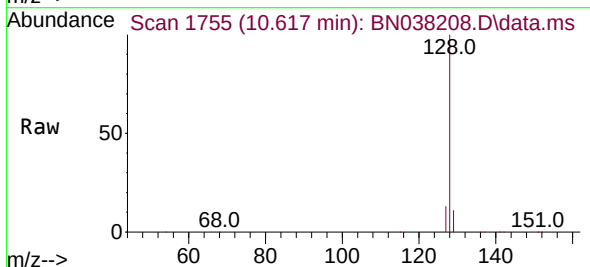
Instrument :
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SSTD1.6229

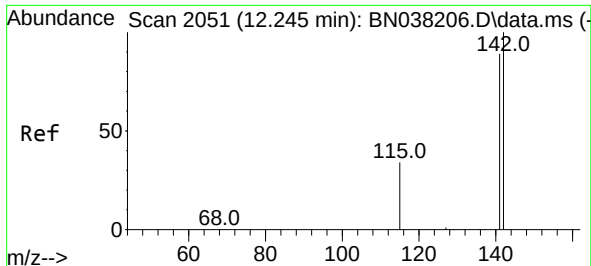
Tgt Ion: 88 Resp: 14062
Ion Ratio Lower Upper
88 100
43 30.5 27.5 41.3
58 70.8 50.5 75.7



#5
Naphthalene
Concen: 1.529 ng/ul
RT: 10.617 min Scan# 1755
Delta R.T. -0.005 min
Lab File: BN038208.D
Acq: 26 Nov 2025 17:31

Tgt Ion:128 Resp: 108995
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.2 10.6 16.0

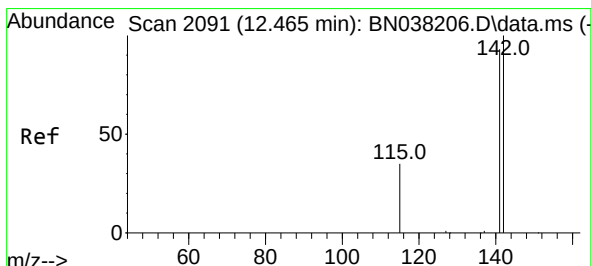
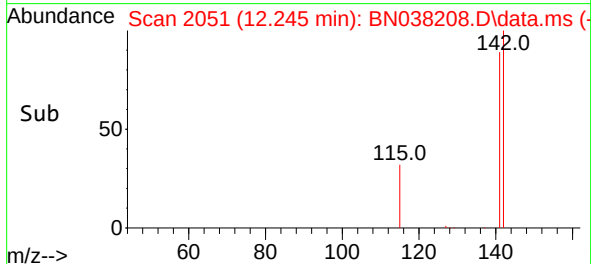
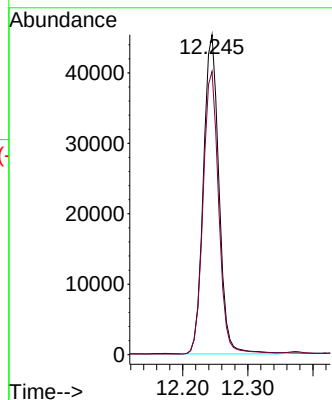
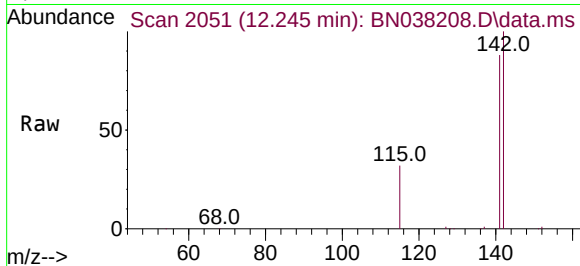




#7
2-Methylnaphthalene
Concen: 1.579 ng/ul
RT: 12.245 min Scan# 2051
Delta R.T. 0.000 min
Lab File: BN038208.D
Acq: 26 Nov 2025 17:31

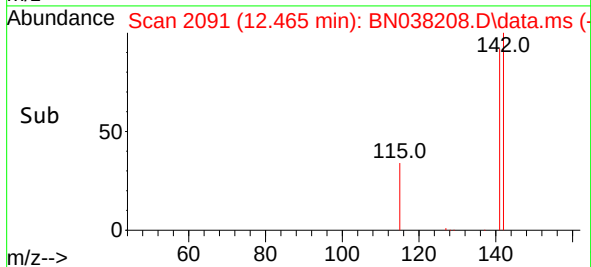
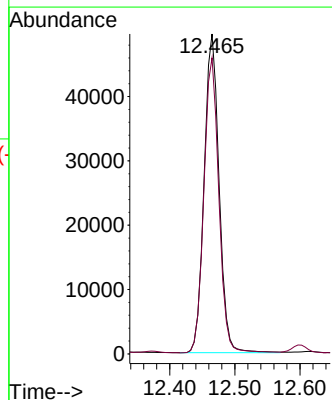
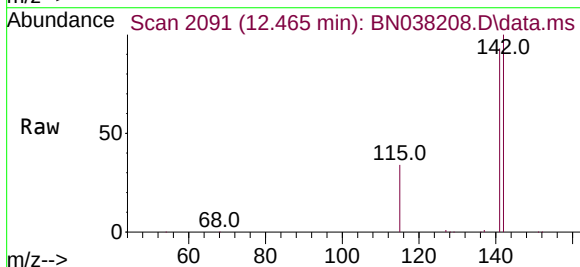
Instrument :
BNA_N
ClientSampleId :
SSTD1.6229

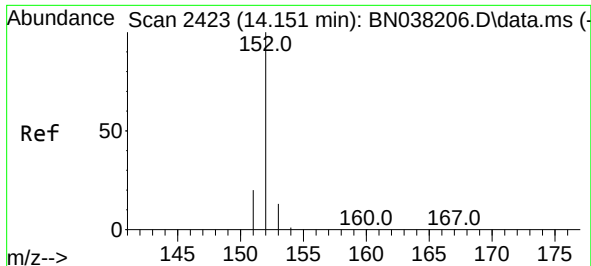
Tgt Ion:142 Resp: 75120
Ion Ratio Lower Upper
142 100
141 89.0 71.7 107.5



#8
1-Methylnaphthalene
Concen: 1.570 ng/ul
RT: 12.465 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BN038208.D
Acq: 26 Nov 2025 17:31

Tgt Ion:142 Resp: 78812
Ion Ratio Lower Upper
142 100
141 92.7 74.1 111.1

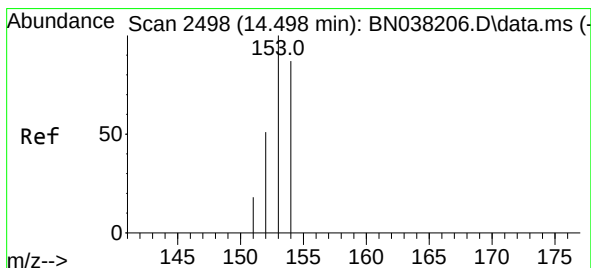
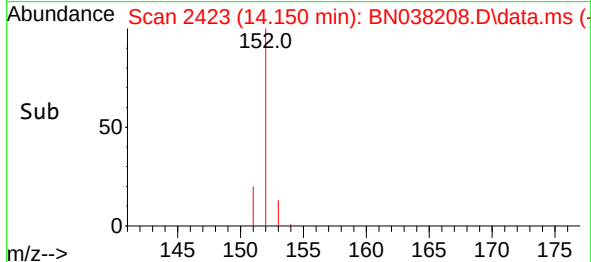
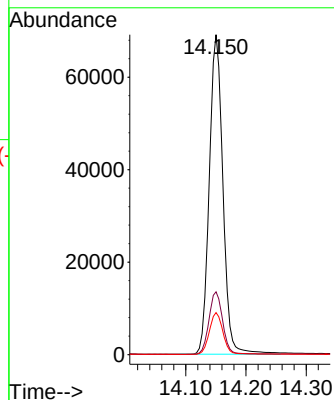
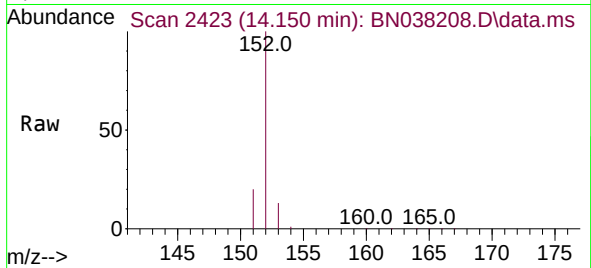




#10
Acenaphthylene
Concen: 1.554 ng/ul
RT: 14.150 min Scan# 2423
Delta R.T. -0.001 min
Lab File: BN038208.D
Acq: 26 Nov 2025 17:31

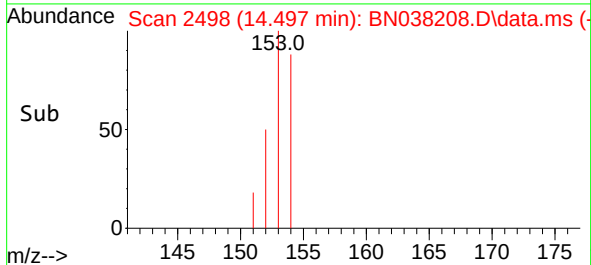
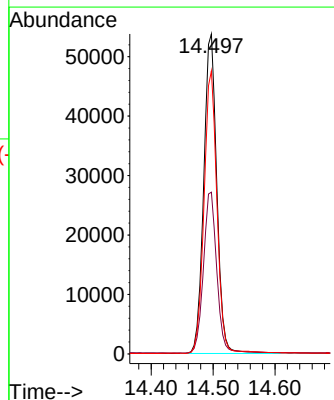
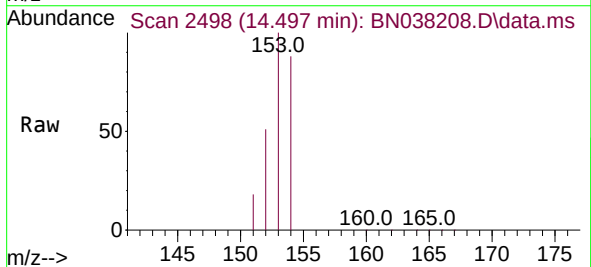
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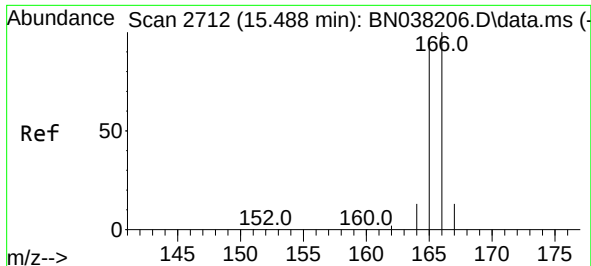
Tgt Ion:152 Resp: 108961
Ion Ratio Lower Upper
152 100
151 19.6 16.0 24.0
153 13.1 10.7 16.1



#11
Acenaphthene
Concen: 1.535 ng/ul
RT: 14.497 min Scan# 2498
Delta R.T. -0.001 min
Lab File: BN038208.D
Acq: 26 Nov 2025 17:31

Tgt Ion:153 Resp: 79052
Ion Ratio Lower Upper
153 100
152 50.5 41.4 62.0
154 88.4 69.7 104.5

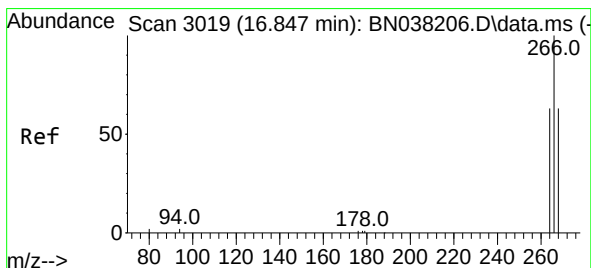
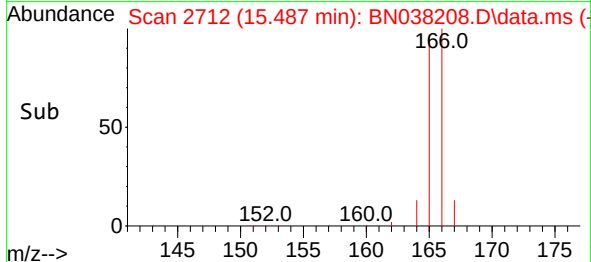
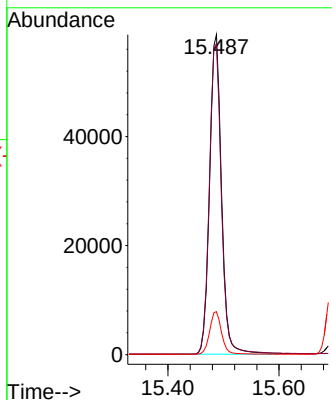
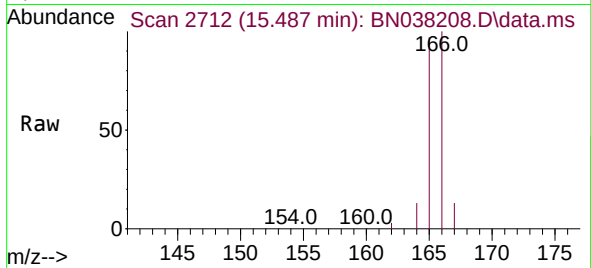




#12
Fluorene
Concen: 1.504 ng/ul
RT: 15.487 min Scan# 2712
Delta R.T. -0.001 min
Lab File: BN038208.D
Acq: 26 Nov 2025 17:31

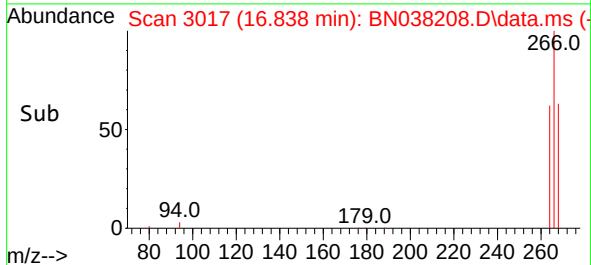
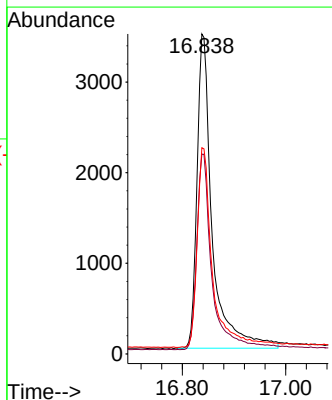
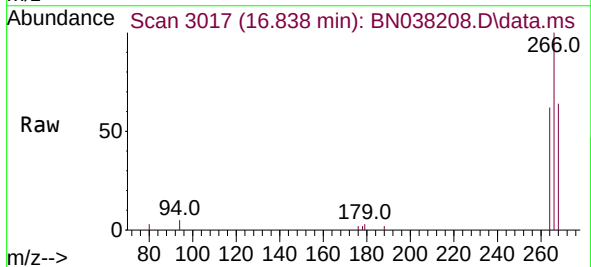
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BNA_N
ClientSampleId :
SSTD1.6229

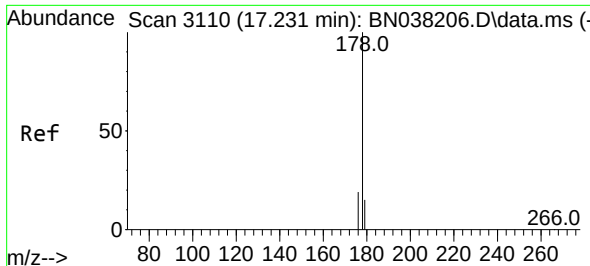
Tgt Ion:166 Resp: 87464
Ion Ratio Lower Upper
166 100
165 97.2 78.1 117.1
167 13.4 11.0 16.4



#14
Pentachlorophenol
Concen: 1.193 ng/ul
RT: 16.838 min Scan# 3017
Delta R.T. -0.009 min
Lab File: BN038208.D
Acq: 26 Nov 2025 17:31

Tgt Ion:266 Resp: 7124
Ion Ratio Lower Upper
266 100
264 62.6 49.3 73.9
268 64.5 53.7 80.5

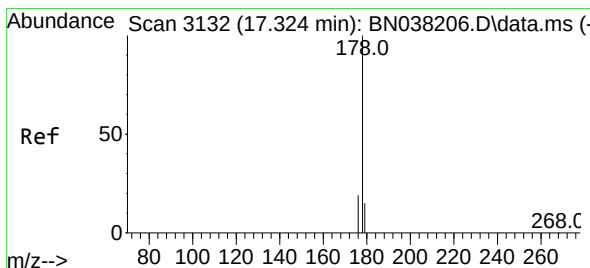
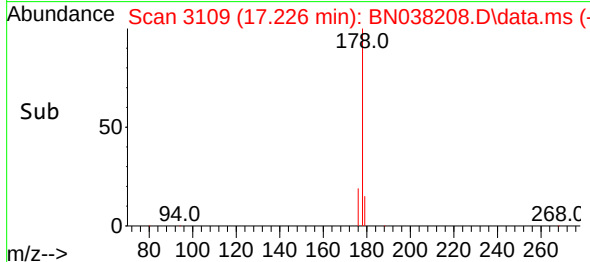
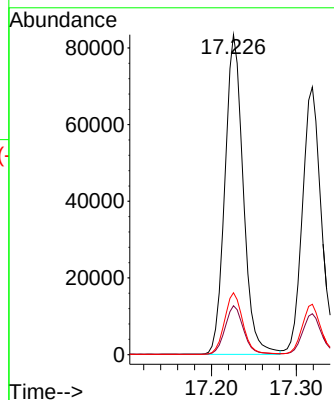
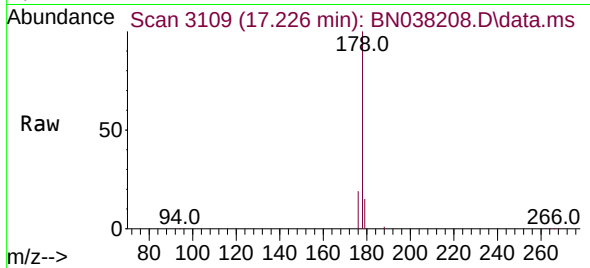




#15
Phenanthrene
Concen: 1.519 ng/ul
RT: 17.226 min Scan# 3110
Delta R.T. -0.005 min
Lab File: BN038208.D
Acq: 26 Nov 2025 17:31

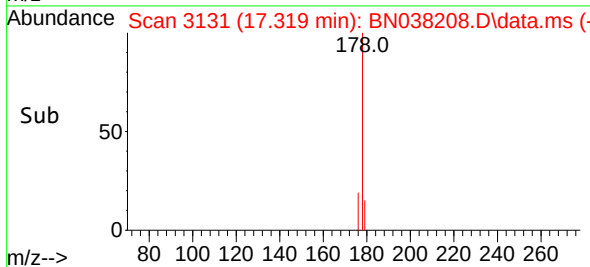
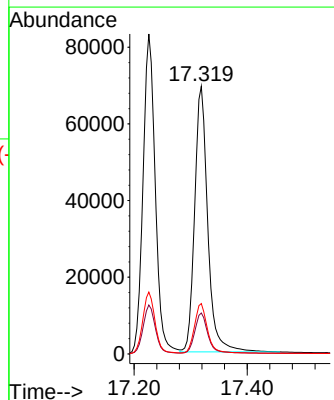
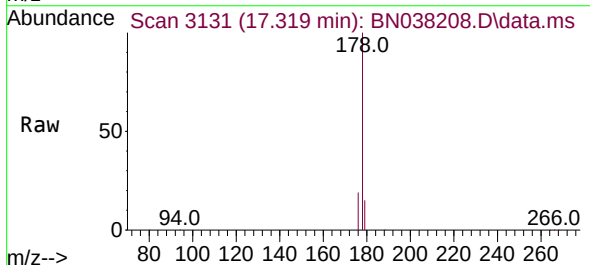
Instrument :
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ClientSampleId :
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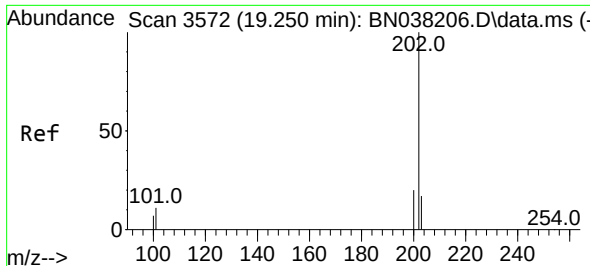
Tgt Ion:178 Resp: 124946
Ion Ratio Lower Upper
178 100
179 15.3 12.4 18.6
176 19.3 15.8 23.6



#16
Anthracene
Concen: 1.539 ng/ul
RT: 17.319 min Scan# 3131
Delta R.T. -0.005 min
Lab File: BN038208.D
Acq: 26 Nov 2025 17:31

Tgt Ion:178 Resp: 111076
Ion Ratio Lower Upper
178 100
179 15.3 12.8 19.2
176 18.8 15.4 23.2

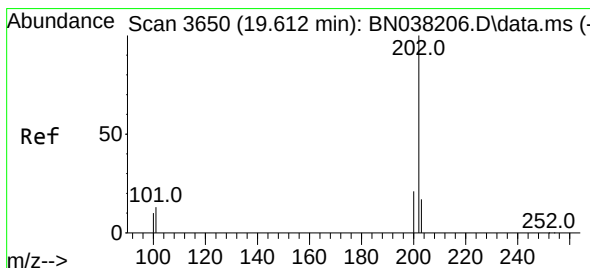
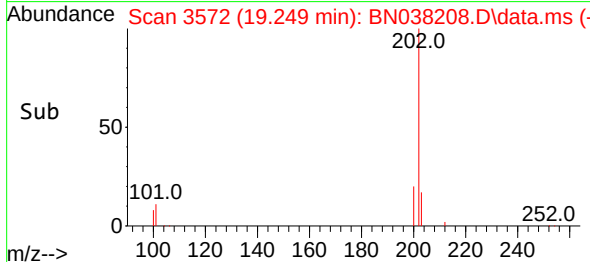
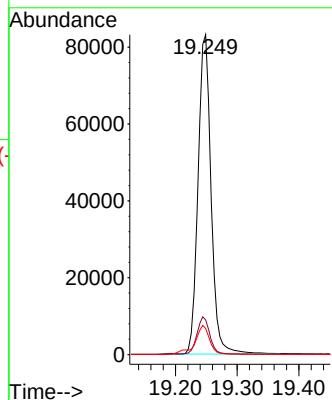
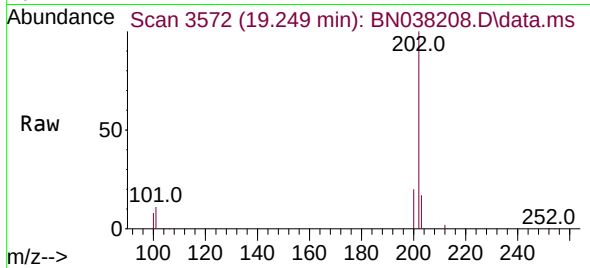




#19
Fluoranthene
Concen: 1.885 ng/ul
RT: 19.249 min Scan# 3572
Delta R.T. -0.001 min
Lab File: BN038208.D
Acq: 26 Nov 2025 17:31

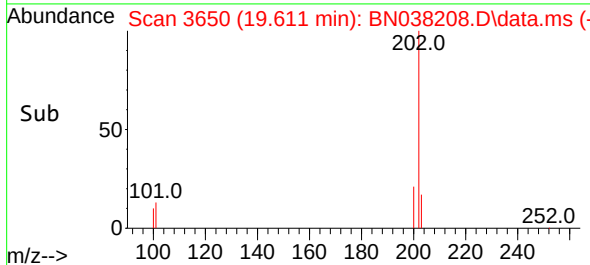
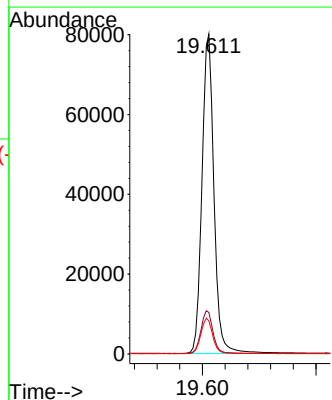
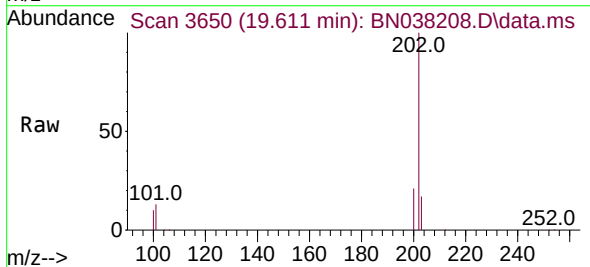
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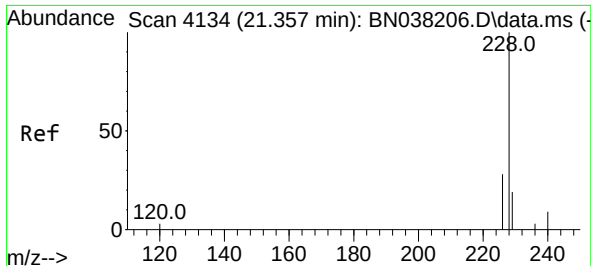
Tgt Ion:202 Resp: 121655
Ion Ratio Lower Upper
202 100
101 10.8 9.3 13.9
100 8.2 7.2 10.8



#20
Pyrene
Concen: 1.834 ng/ul
RT: 19.611 min Scan# 3650
Delta R.T. -0.001 min
Lab File: BN038208.D
Acq: 26 Nov 2025 17:31

Tgt Ion:202 Resp: 117047
Ion Ratio Lower Upper
202 100
101 13.0 10.6 16.0
100 10.3 8.5 12.7

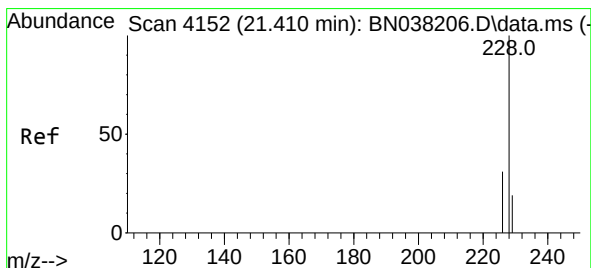
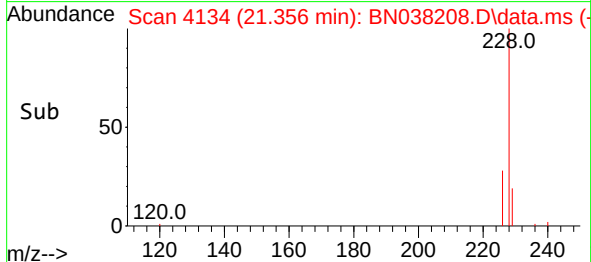
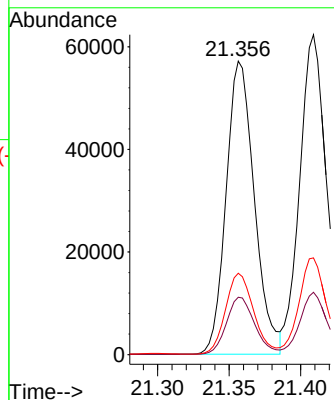
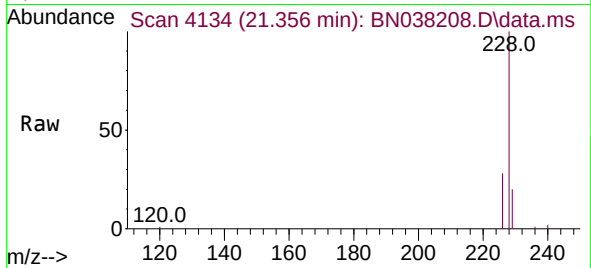




#21
Benzo(a)anthracene
Concen: 1.519 ng/ul
RT: 21.356 min Scan# 4134
Delta R.T. -0.001 min
Lab File: BN038208.D
Acq: 26 Nov 2025 17:31

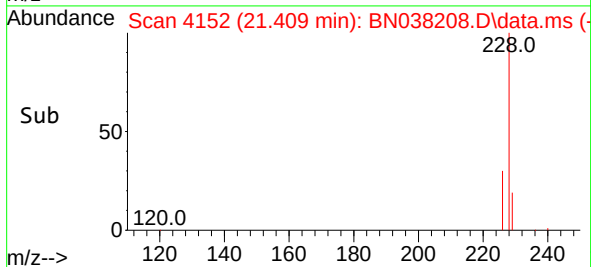
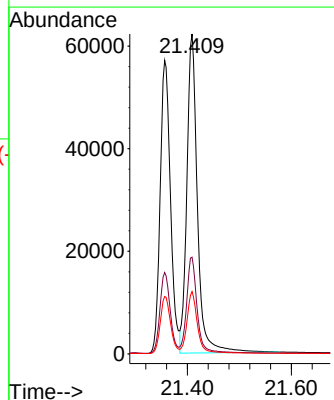
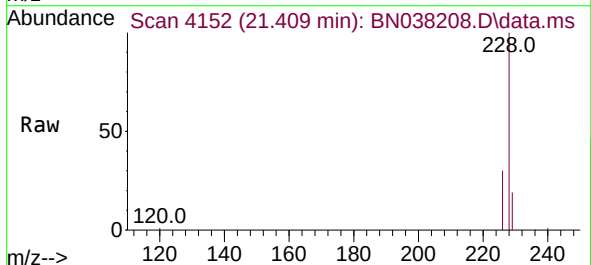
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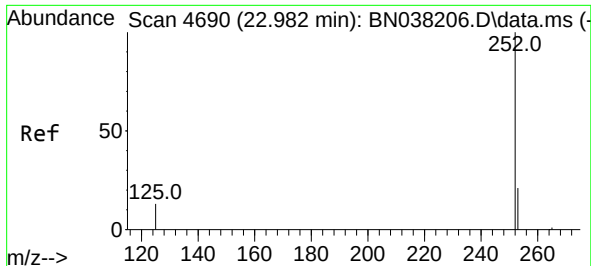
Tgt Ion:228 Resp: 78603
Ion Ratio Lower Upper
228 100
229 19.5 15.6 23.4
226 27.7 22.4 33.6



#22
Chrysene
Concen: 1.554 ng/ul
RT: 21.409 min Scan# 4152
Delta R.T. -0.001 min
Lab File: BN038208.D
Acq: 26 Nov 2025 17:31

Tgt Ion:228 Resp: 87643
Ion Ratio Lower Upper
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226 30.2 25.0 37.4
229 19.5 15.4 23.0

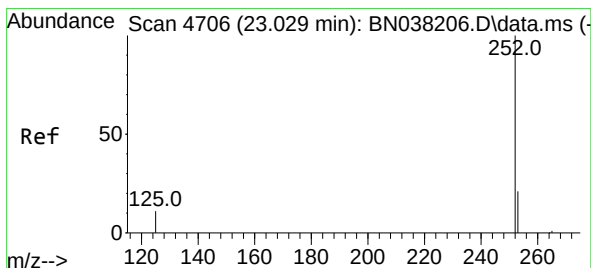
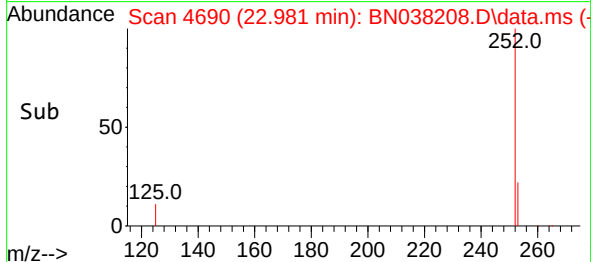
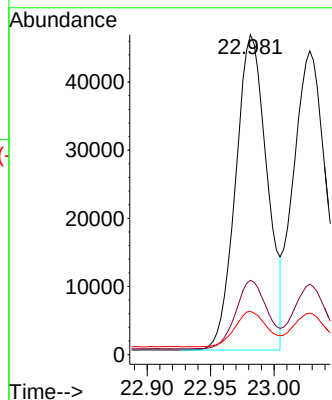
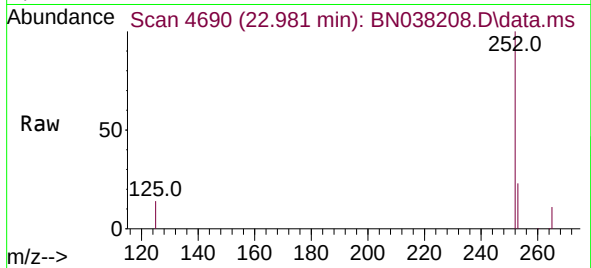




#24
Benzo(b)fluoranthene
Concen: 1.451 ng/ul
RT: 22.981 min Scan# 4690
Delta R.T. -0.001 min
Lab File: BN038208.D
Acq: 26 Nov 2025 17:31

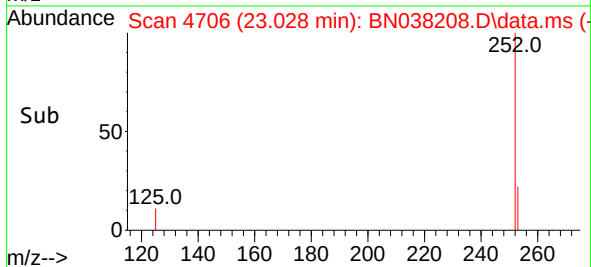
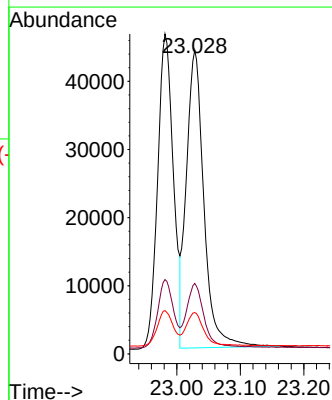
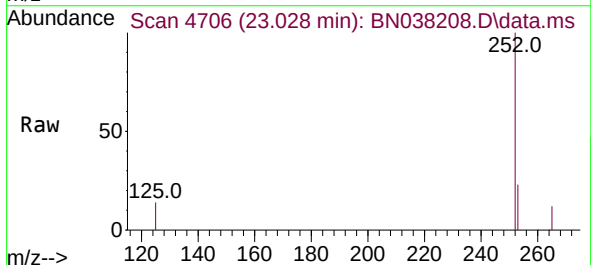
Instrument :
BNA_N
ClientSampleId :
SSTD1.6229

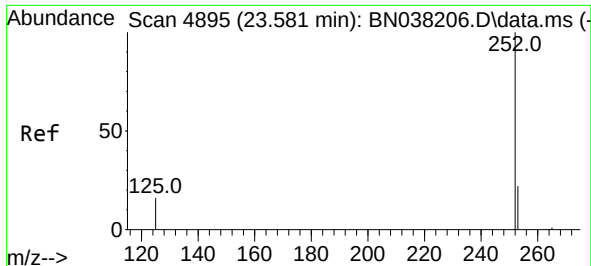
Tgt Ion:252 Resp: 79640
Ion Ratio Lower Upper
252 100
253 23.2 0.0 55.8
125 13.5 0.0 45.6



#25
Benzo(k)fluoranthene
Concen: 1.523 ng/ul
RT: 23.028 min Scan# 4706
Delta R.T. -0.001 min
Lab File: BN038208.D
Acq: 26 Nov 2025 17:31

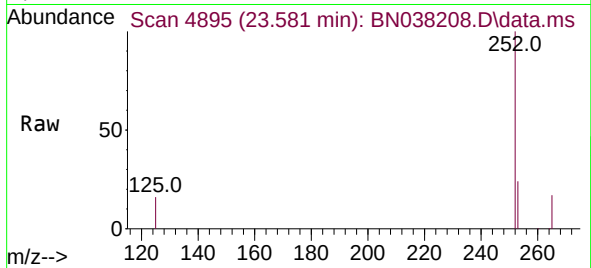
Tgt Ion:252 Resp: 83747
Ion Ratio Lower Upper
252 100
253 23.2 22.9 34.3
125 13.6 17.7 26.5#



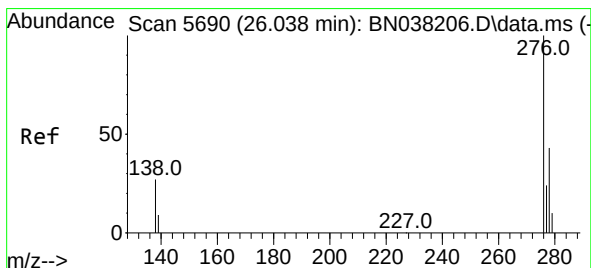
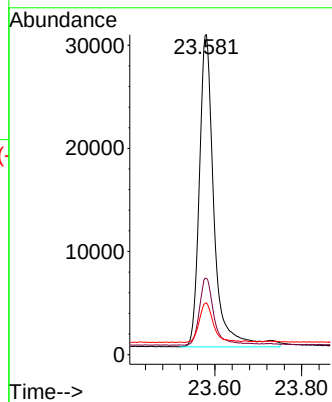
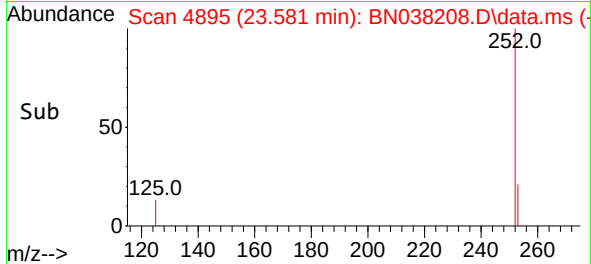


#26
Benzo(a)pyrene
Concen: 1.551 ng/ul
RT: 23.581 min Scan# 4895
Delta R.T. -0.001 min
Lab File: BN038208.D
Acq: 26 Nov 2025 17:31

Instrument :
BNA_N
ClientSampleId :
SSTD1.6229

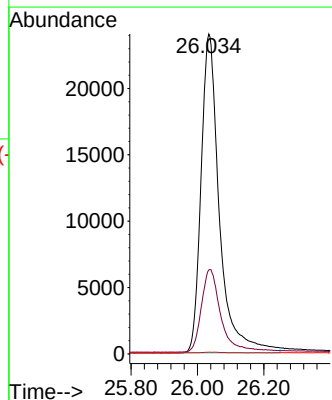
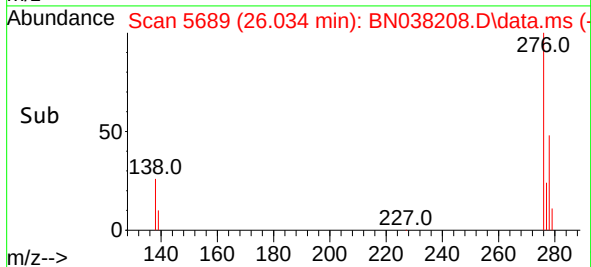
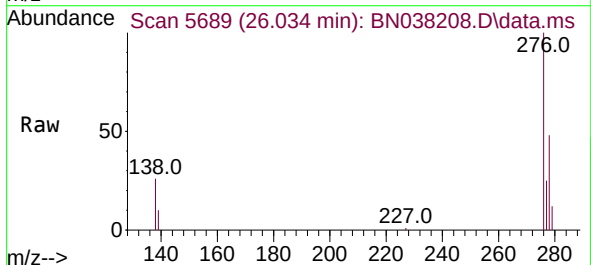


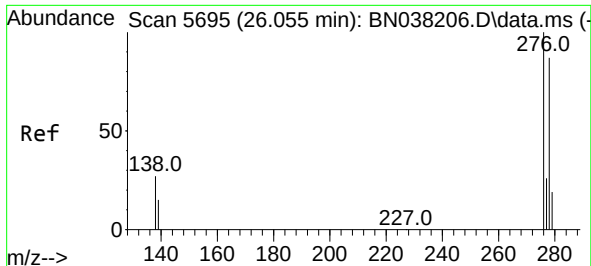
Tgt Ion:252 Resp: 71397
Ion Ratio Lower Upper
252 100
253 23.8 25.9 38.9#
125 16.2 24.6 37.0#



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.656 ng/ul
RT: 26.034 min Scan# 5689
Delta R.T. -0.004 min
Lab File: BN038208.D
Acq: 26 Nov 2025 17:31

Tgt Ion:276 Resp: 92281
Ion Ratio Lower Upper
276 100
138 27.7 22.9 34.3
227 0.2 0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 1.624 ng/ul

RT: 26.054 min Scan# 50

Delta R.T. -0.001 min

Lab File: BN038208.D

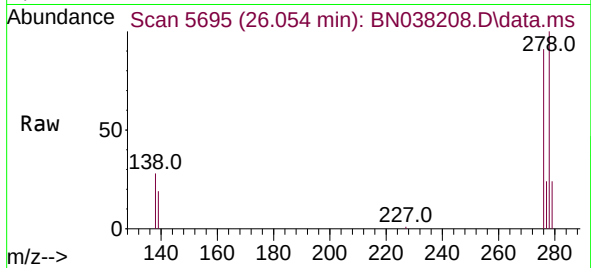
Acq: 26 Nov 2025 17:31

Instrument :

BNA_N

ClientSampleId :

SSTD1.6229



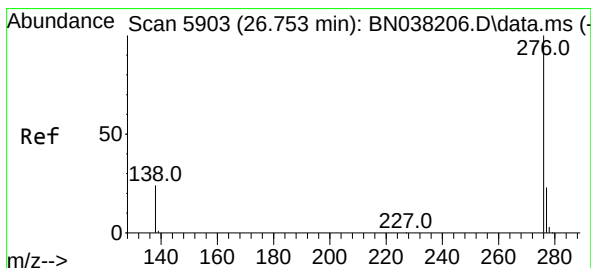
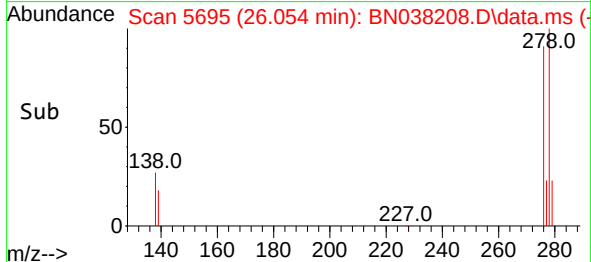
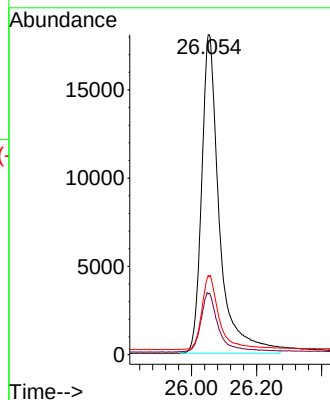
Tgt Ion:278 Resp: 68785

Ion Ratio Lower Upper

278 100

139 19.2 18.1 27.1

279 24.3 25.0 37.4#



#29

Benzo(g,h,i)perylene

Concen: 1.717 ng/ul

RT: 26.748 min Scan# 5902

Delta R.T. -0.004 min

Lab File: BN038208.D

Acq: 26 Nov 2025 17:31

Tgt Ion:276 Resp: 80955

Ion Ratio Lower Upper

276 100

138 24.1 21.6 32.4

277 23.7 19.8 29.6

