

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
 Data File : BN038274.D
 Acq On : 05 Dec 2025 14:31
 Operator : RC/JU
 Sample : PB170722BS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS722

Quant Time: Dec 05 14:55:34 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)

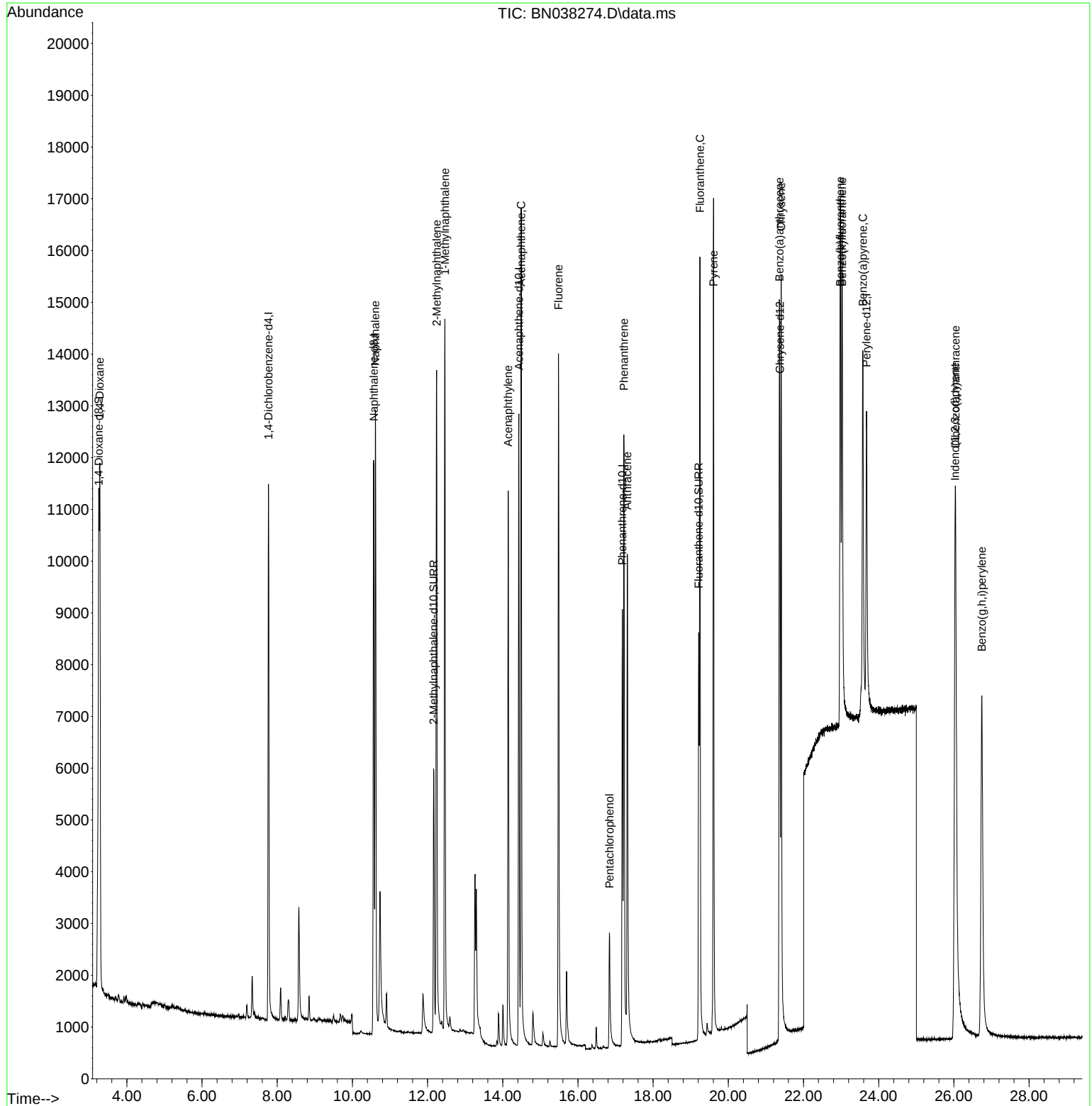
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.766	152	5720	0.400	ng/u1	0.00
4) Naphthalene-d8	10.568	136	15969	0.400	ng/u1	0.00
9) Acenaphthene-d10	14.428	164	7291	0.400	ng/u1	0.00
13) Phenanthrene-d10	17.179	188	11408	0.400	ng/u1	0.00
17) Chrysene-d12	21.371	240	8537	0.400	ng/u1	0.00
23) Perylene-d12	23.677	264	9103	0.400	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.248	96	5001	0.833	ng/u1	0.03
6) 2-Methylnaphthalene-d10	12.162	152	7800	0.342	ng/u1	-0.01
18) Fluoranthene-d10	19.211	212	9604	0.289	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.281	88	12597	1.948	ng/u1	91
5) Naphthalene	10.612	128	17419	0.402	ng/u1	99
7) 2-Methylnaphthalene	12.239	142	10524	0.363	ng/u1	100
8) 1-Methylnaphthalene	12.459	142	10384	0.338	ng/u1	100
10) Acenaphthylene	14.146	152	13699	0.400	ng/u1	99
11) Acenaphthene	14.488	153	10097	0.397	ng/u1	98
12) Fluorene	15.483	166	10083	0.369	ng/u1	97
14) Pentachlorophenol	16.837	266	2206	1.206	ng/u1	98
15) Phenanthrene	17.222	178	14220	0.398	ng/u1	98
16) Anthracene	17.315	178	12383	0.408	ng/u1	100
19) Fluoranthene	19.244	202	14200	0.311	ng/u1	98
20) Pyrene	19.607	202	14641	0.324	ng/u1	97
21) Benzo(a)anthracene	21.356	228	11969	0.419	ng/u1	99
22) Chrysene	21.406	228	14335	0.405	ng/u1	99
24) Benzo(b)fluoranthene	22.978	252	14509	0.407	ng/u1	98
25) Benzo(k)fluoranthene	23.025	252	15226	0.405	ng/u1	98
26) Benzo(a)pyrene	23.578	252	13240	0.411	ng/u1	100
27) Indeno(1,2,3-cd)pyrene	26.031	276	18221	0.475	ng/u1#	97
28) Dibenzo(a,h)anthracene	26.044	278	13618	0.507	ng/u1	98
29) Benzo(g,h,i)perylene	26.745	276	16136	0.448	ng/u1	99

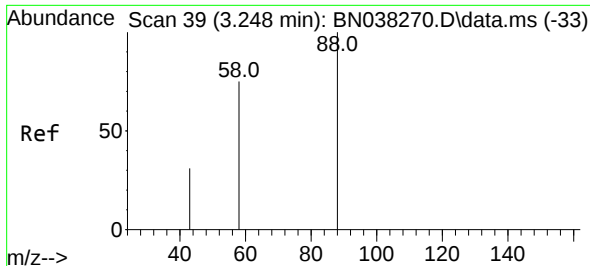
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.948 ng/ul

RT: 3.281 min Scan# 41

Delta R.T. 0.030 min

Lab File: BN038274.D

Acq: 05 Dec 2025 14:31

Instrument :

BNA_N

ClientSampleId :

SLCS722

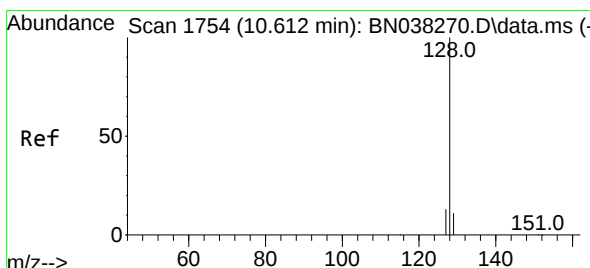
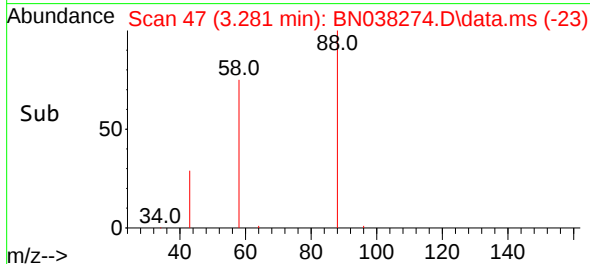
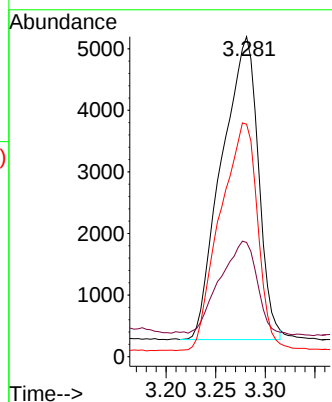
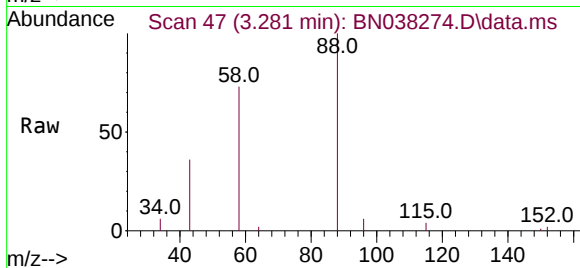
Tgt Ion: 88 Resp: 12597

Ion Ratio Lower Upper

88 100

43 35.7 27.5 41.3

58 72.6 50.5 75.7



#5

Naphthalene

Concen: 0.402 ng/ul

RT: 10.612 min Scan# 1754

Delta R.T. -0.011 min

Lab File: BN038274.D

Acq: 05 Dec 2025 14:31

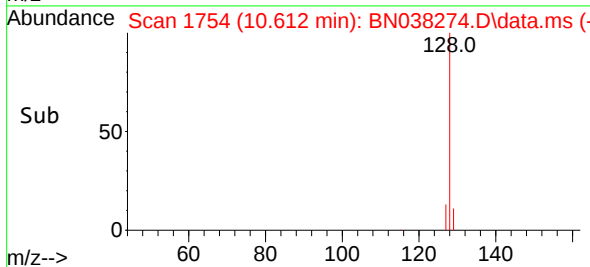
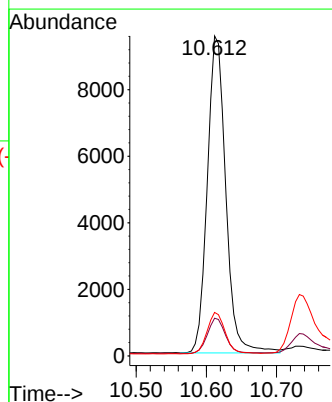
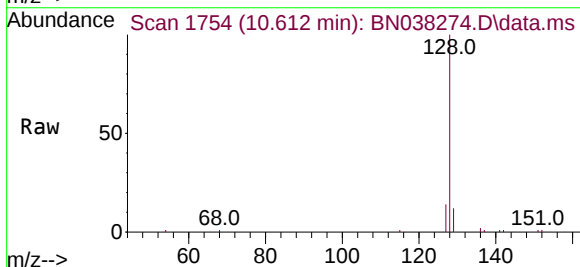
Tgt Ion:128 Resp: 17419

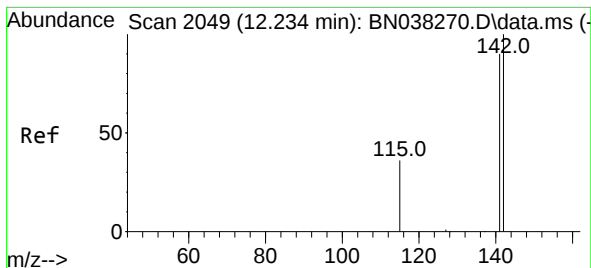
Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.6

127 13.6 10.6 16.0

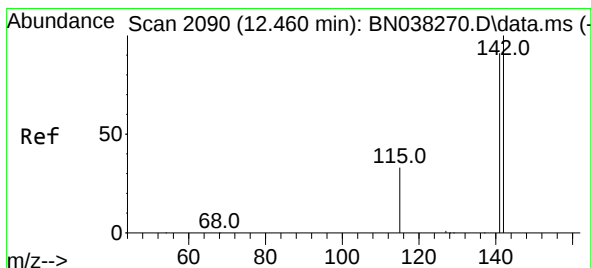
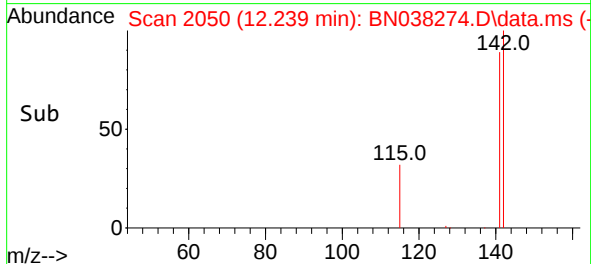
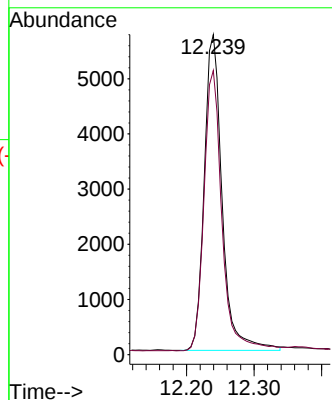
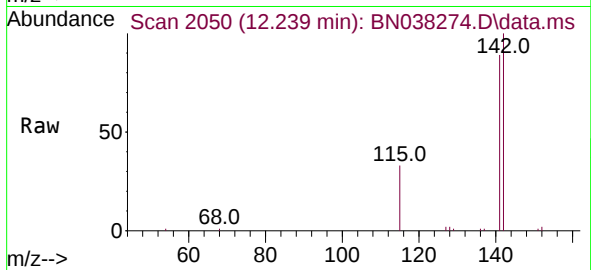




#7
2-Methylnaphthalene
Concen: 0.363 ng/ul
RT: 12.239 min Scan# 2050
Delta R.T. -0.005 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

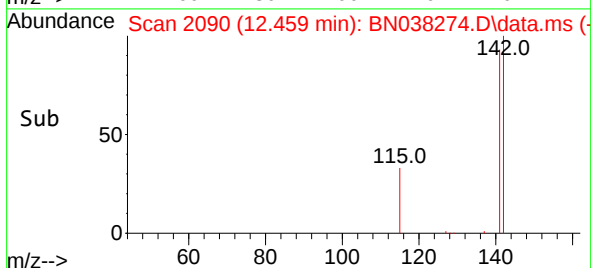
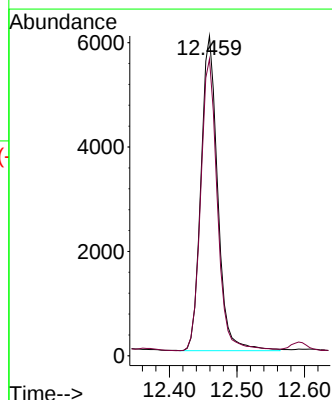
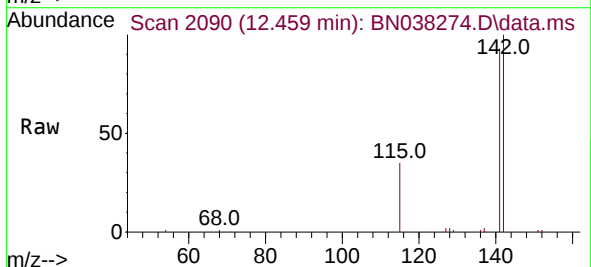
Instrument :
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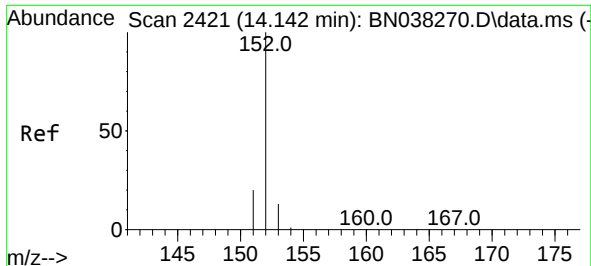
Tgt Ion:142 Resp: 10524
Ion Ratio Lower Upper
142 100
141 89.4 71.7 107.5



#8
1-Methylnaphthalene
Concen: 0.338 ng/ul
RT: 12.459 min Scan# 2090
Delta R.T. -0.005 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:142 Resp: 10384
Ion Ratio Lower Upper
142 100
141 92.5 74.1 111.1

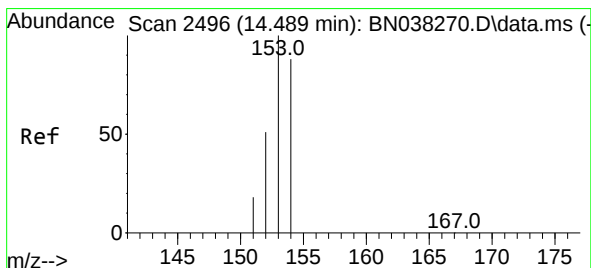
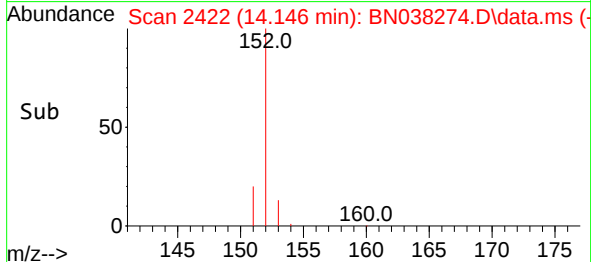
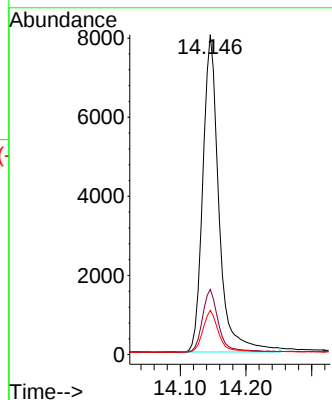
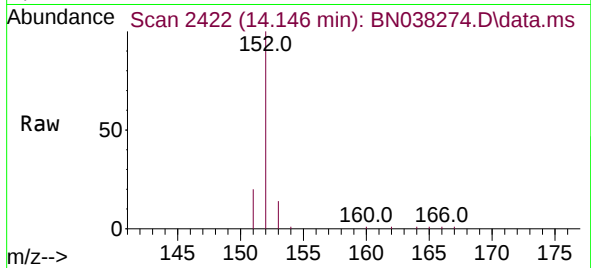




#10
Acenaphthylene
Concen: 0.400 ng/ul
RT: 14.146 min Scan# 2421
Delta R.T. -0.005 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

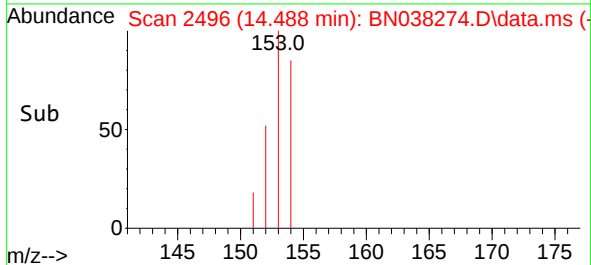
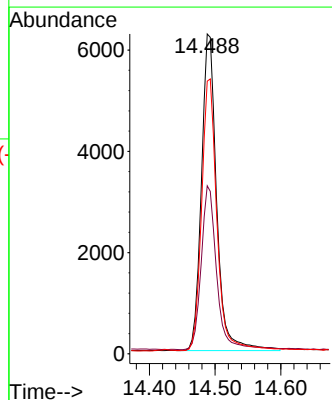
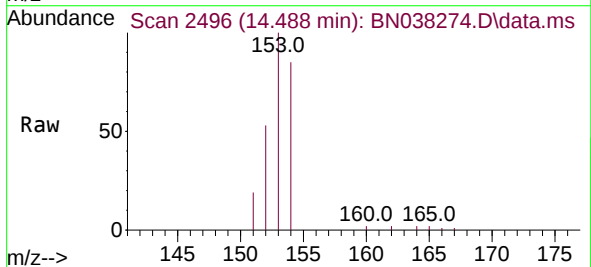
Instrument :
BNA_N
ClientSampleId :
SLCS722

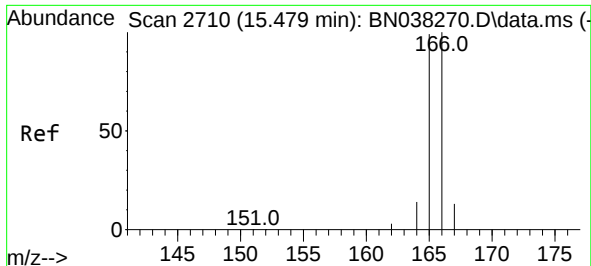
Tgt Ion:152 Resp: 13699
Ion Ratio Lower Upper
152 100
151 20.4 16.0 24.0
153 13.8 10.7 16.1



#11
Acenaphthene
Concen: 0.397 ng/ul
RT: 14.488 min Scan# 2496
Delta R.T. -0.010 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:153 Resp: 10097
Ion Ratio Lower Upper
153 100
152 52.5 41.4 62.0
154 85.2 69.7 104.5

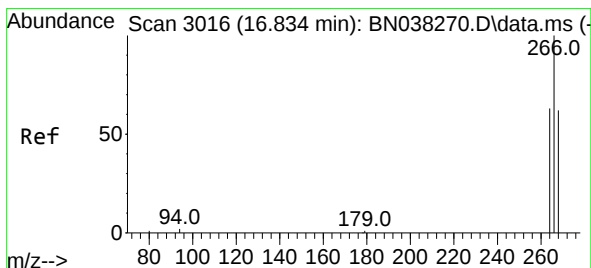
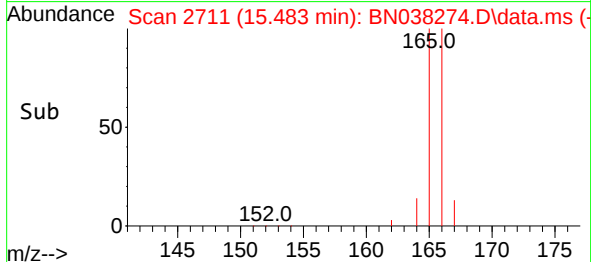
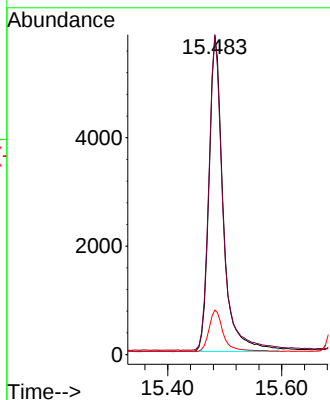
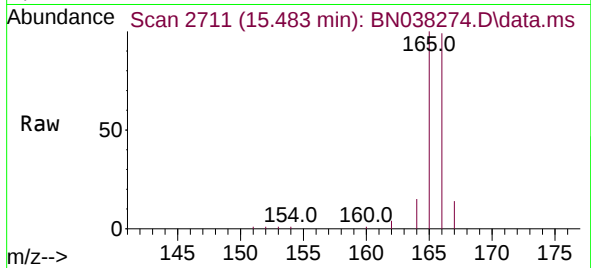




#12
 Fluorene
 Concen: 0.369 ng/ul
 RT: 15.483 min Scan# 2711
 Delta R.T. -0.005 min
 Lab File: BN038274.D
 Acq: 05 Dec 2025 14:31

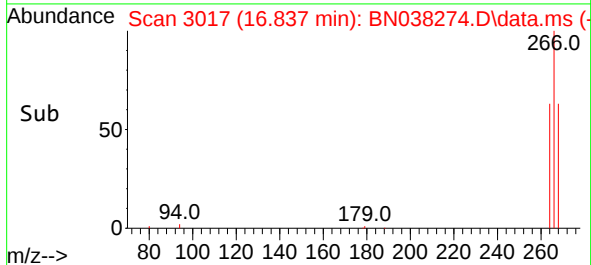
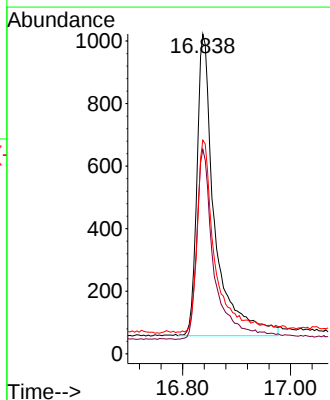
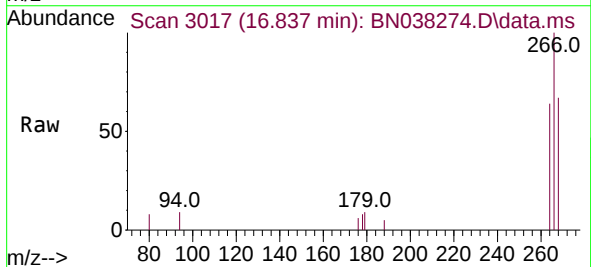
Instrument :
 BNA_N
 ClientSampleId :
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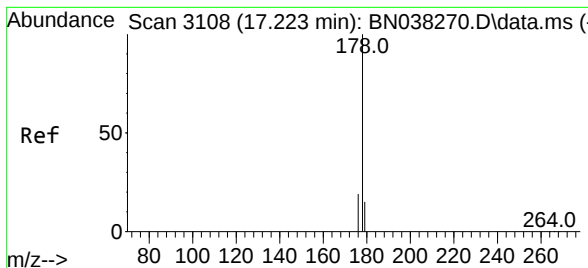
Tgt Ion:166	Resp:	10083
Ion Ratio	Lower	Upper
166	100	
165	100.6	78.1 117.1
167	14.0	11.0 16.4



#14
 Pentachlorophenol
 Concen: 1.206 ng/ul
 RT: 16.837 min Scan# 3017
 Delta R.T. -0.009 min
 Lab File: BN038274.D
 Acq: 05 Dec 2025 14:31

Tgt Ion:266	Resp:	2206
Ion Ratio	Lower	Upper
266	100	
264	62.8	49.3 73.9
268	64.6	53.7 80.5





#15

Phenanthrene

Concen: 0.398 ng/ul

RT: 17.222 min Scan# 3108

Delta R.T. -0.009 min

Lab File: BN038274.D

Acq: 05 Dec 2025 14:31

Instrument :

BNA_N

ClientSampleId :

SLCS722

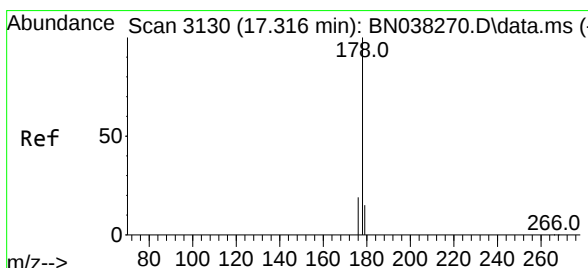
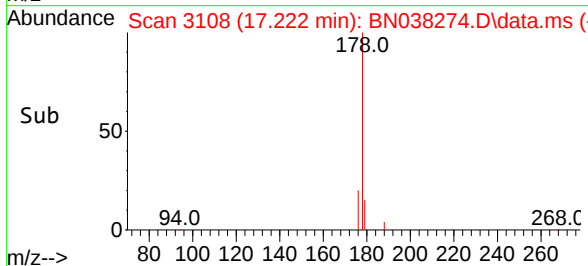
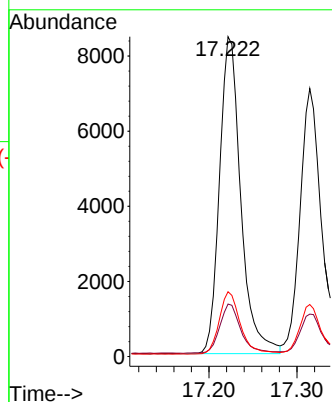
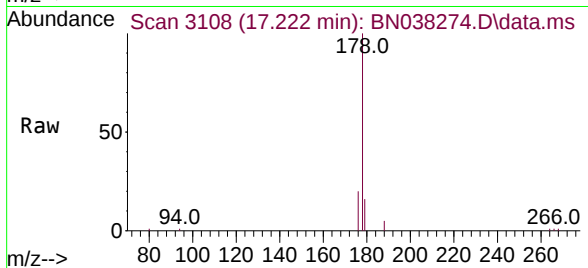
Tgt Ion:178 Resp: 14220

Ion Ratio Lower Upper

178 100

179 16.4 12.4 18.6

176 20.3 15.8 23.6



#16

Anthracene

Concen: 0.408 ng/ul

RT: 17.315 min Scan# 3130

Delta R.T. -0.009 min

Lab File: BN038274.D

Acq: 05 Dec 2025 14:31

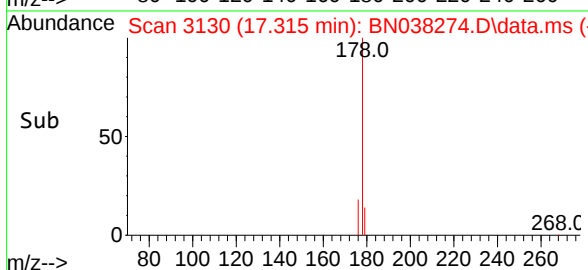
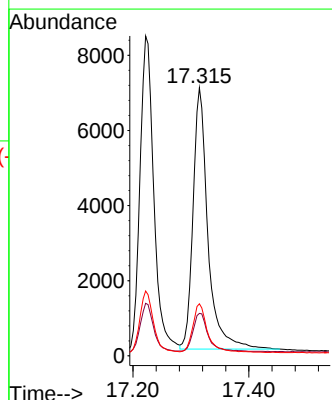
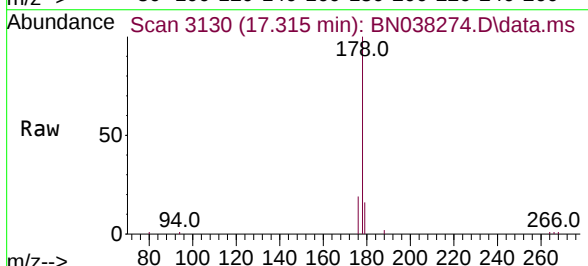
Tgt Ion:178 Resp: 12383

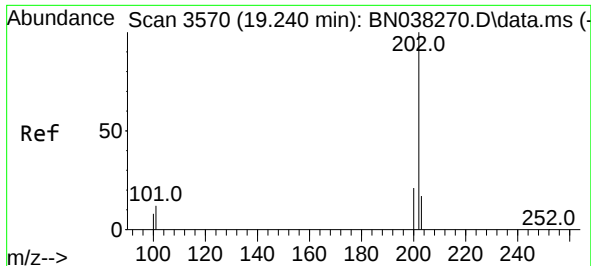
Ion Ratio Lower Upper

178 100

179 15.8 12.8 19.2

176 19.4 15.4 23.2

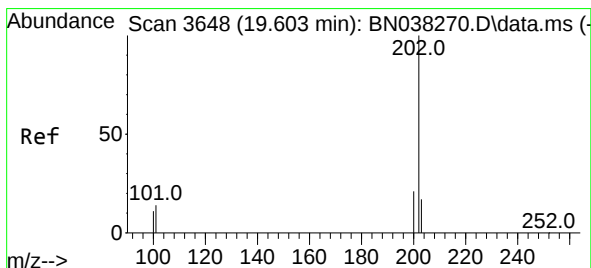
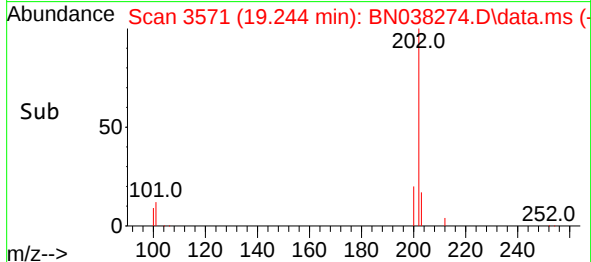
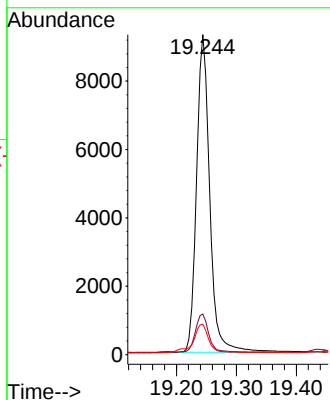
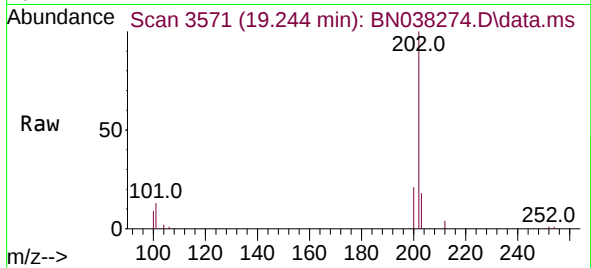




#19
Fluoranthene
Concen: 0.311 ng/ul
RT: 19.244 min Scan# 3570
Delta R.T. -0.005 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

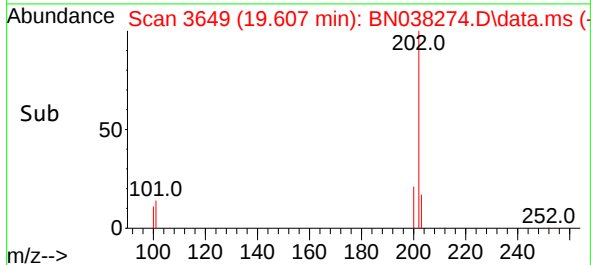
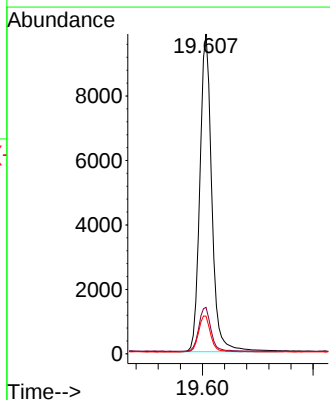
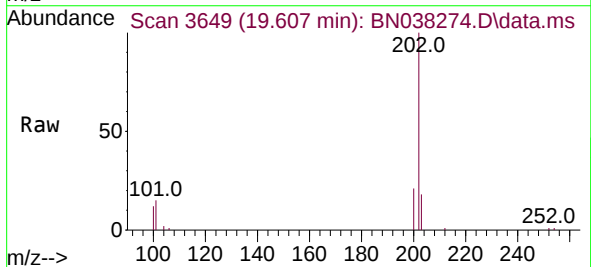
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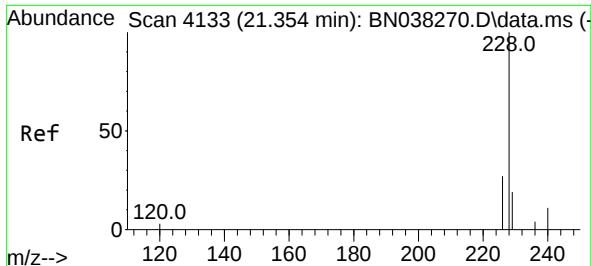
Tgt Ion:202 Resp: 14200
Ion Ratio Lower Upper
202 100
101 12.7 9.3 13.9
100 9.5 7.2 10.8



#20
Pyrene
Concen: 0.324 ng/ul
RT: 19.607 min Scan# 3649
Delta R.T. -0.005 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:202 Resp: 14641
Ion Ratio Lower Upper
202 100
101 14.5 10.6 16.0
100 11.8 8.5 12.7

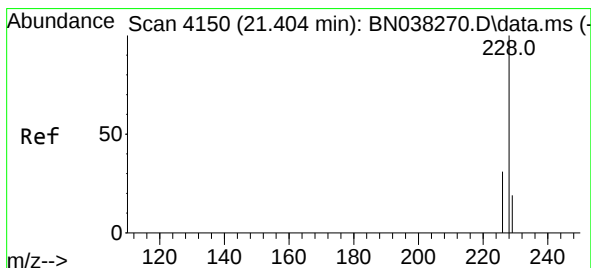
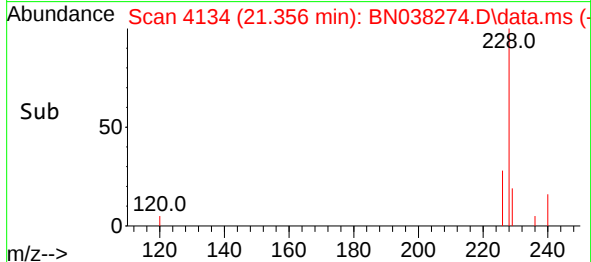
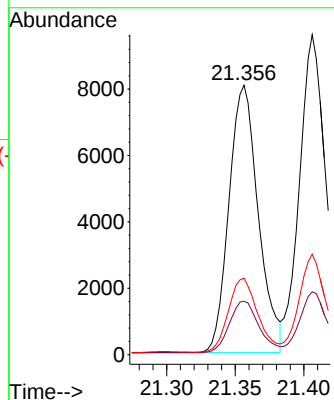
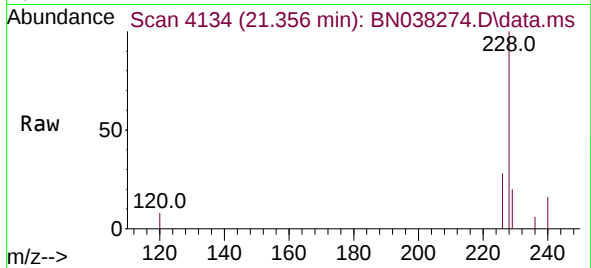




#21
Benzo(a)anthracene
Concen: 0.419 ng/ul
RT: 21.356 min Scan# 4133
Delta R.T. -0.001 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

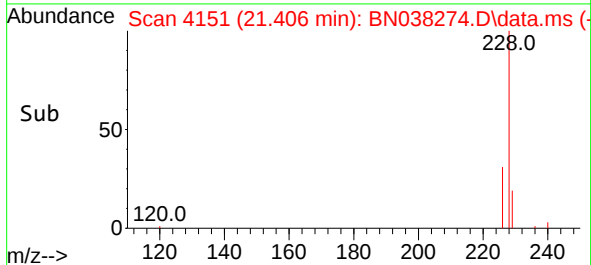
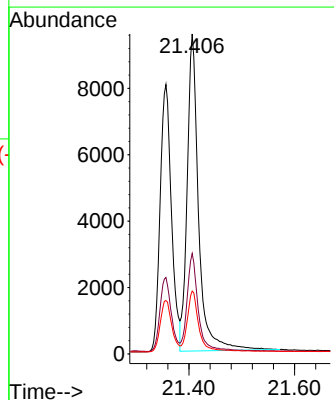
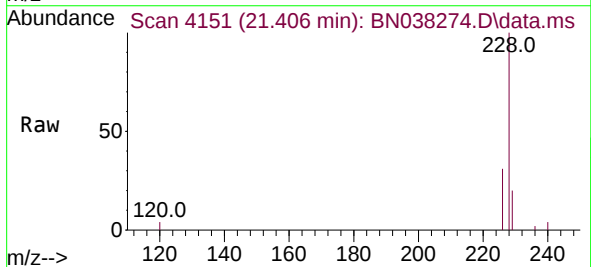
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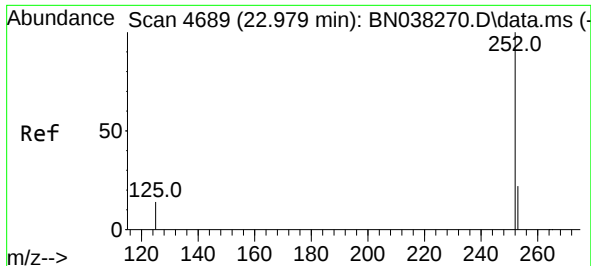
Tgt Ion:228 Resp: 11969
Ion Ratio Lower Upper
228 100
229 19.8 15.6 23.4
226 28.4 22.4 33.6



#22
Chrysene
Concen: 0.405 ng/ul
RT: 21.406 min Scan# 4151
Delta R.T. -0.004 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:228 Resp: 14335
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.4
229 19.6 15.4 23.0

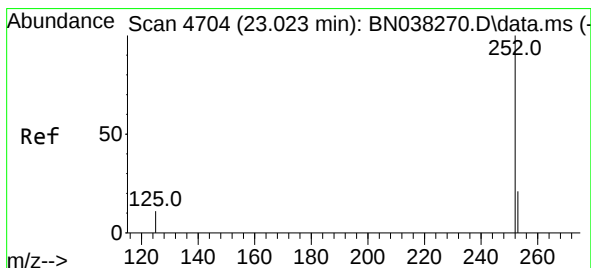
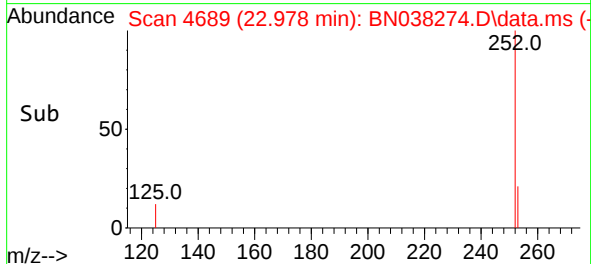
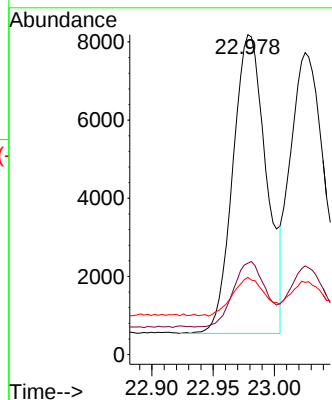
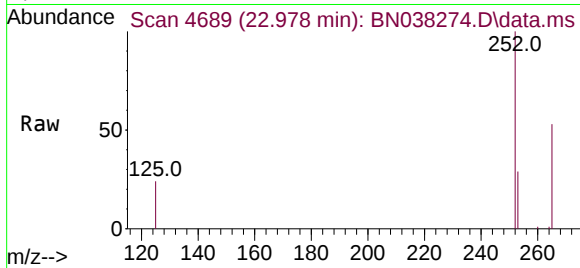




#24
Benzo(b)fluoranthene
Concen: 0.407 ng/ul
RT: 22.978 min Scan# 4689
Delta R.T. -0.004 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

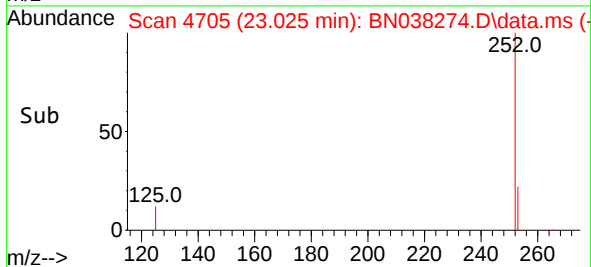
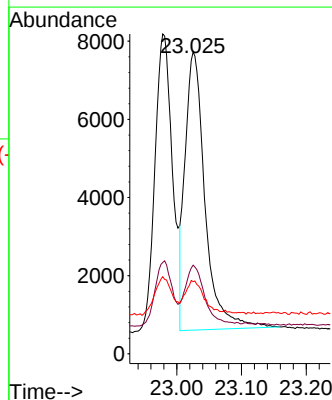
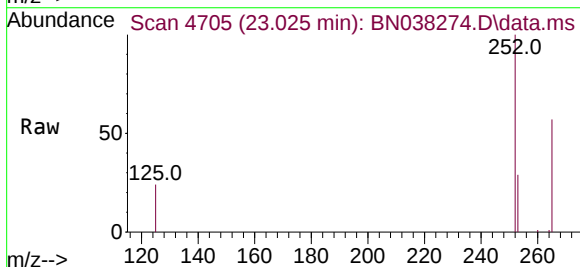
Instrument :
BNA_N
ClientSampleId :
SLCS722

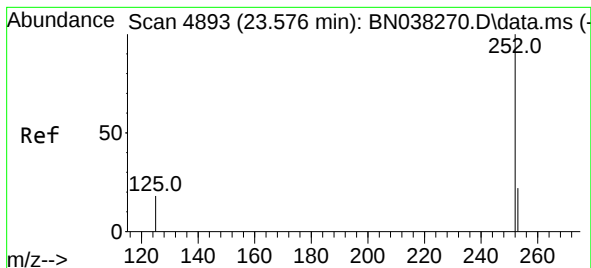
Tgt Ion:252 Resp: 14509
Ion Ratio Lower Upper
252 100
253 28.6 0.0 55.8
125 24.1 0.0 45.6



#25
Benzo(k)fluoranthene
Concen: 0.405 ng/ul
RT: 23.025 min Scan# 4705
Delta R.T. -0.004 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:252 Resp: 15226
Ion Ratio Lower Upper
252 100
253 29.4 22.9 34.3
125 23.9 17.7 26.5





#26

Benzo(a)pyrene

Concen: 0.411 ng/ul

RT: 23.578 min Scan# 4893

Delta R.T. -0.004 min

Lab File: BN038274.D

Acq: 05 Dec 2025 14:31

Instrument :

BNA_N

ClientSampleId :

SLCS722

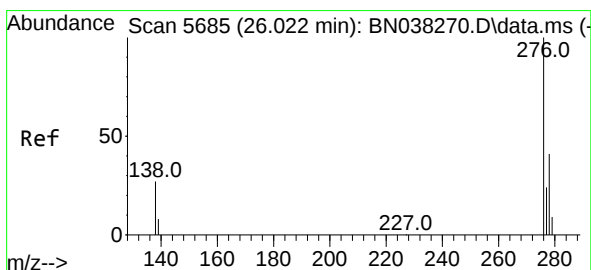
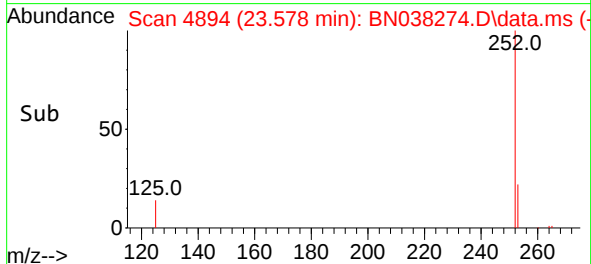
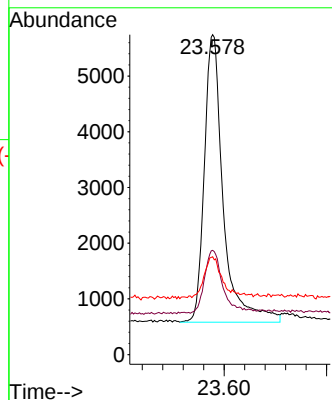
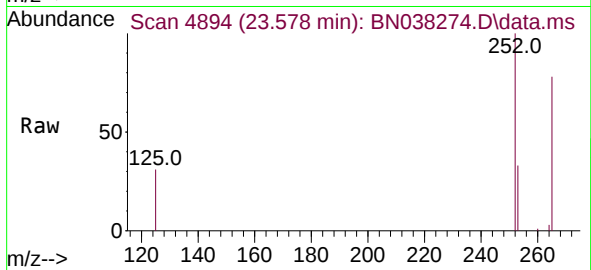
Tgt Ion:252 Resp: 13240

Ion Ratio Lower Upper

252 100

253 32.6 25.9 38.9

125 30.6 24.6 37.0



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.475 ng/ul

RT: 26.031 min Scan# 5688

Delta R.T. -0.008 min

Lab File: BN038274.D

Acq: 05 Dec 2025 14:31

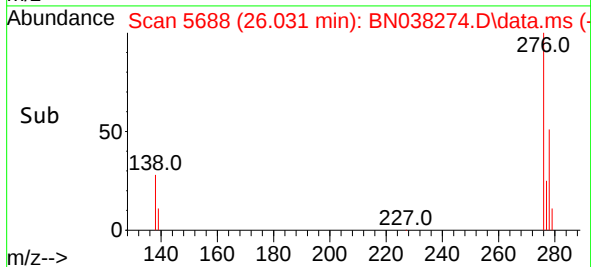
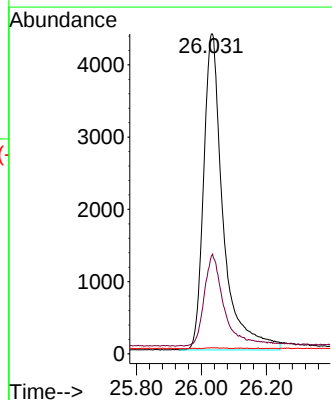
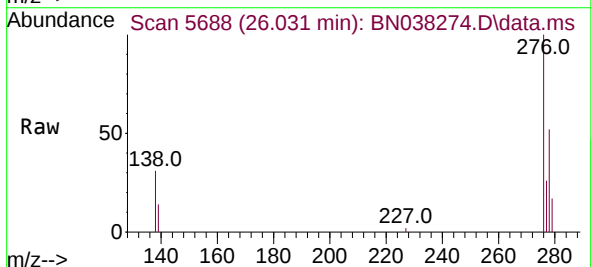
Tgt Ion:276 Resp: 18221

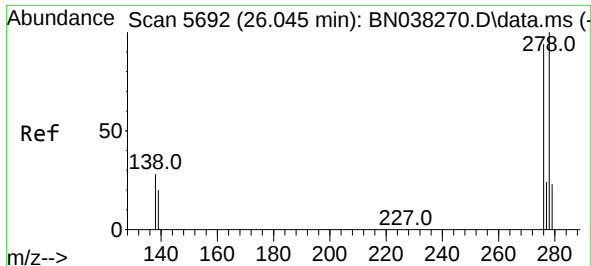
Ion Ratio Lower Upper

276 100

138 30.0 22.9 34.3

227 0.2 0.0 0.0#

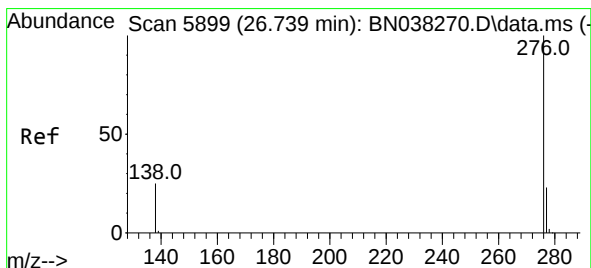
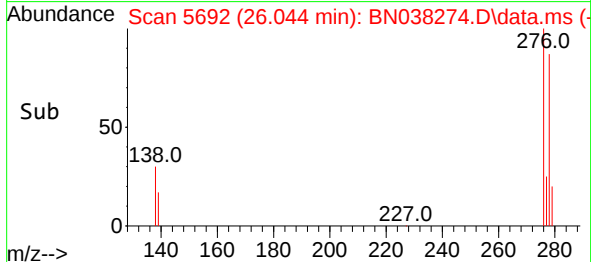
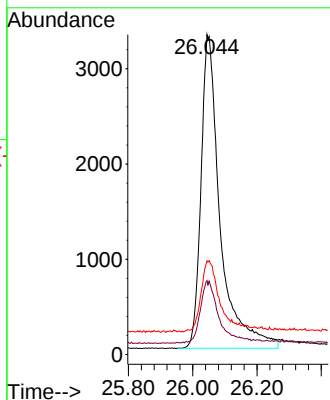
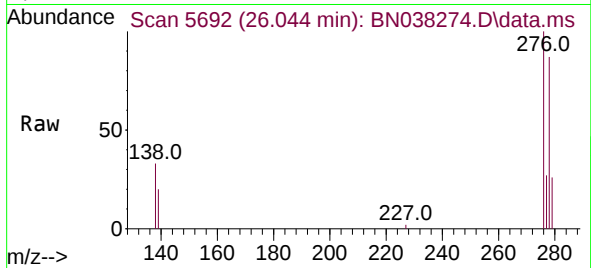




#28
 Dibenzo(a,h)anthracene
 Concen: 0.507 ng/ul
 RT: 26.044 min Scan# 50
 Delta R.T. -0.011 min
 Lab File: BN038274.D
 Acq: 05 Dec 2025 14:31

Instrument :
 BNA_N
 ClientSampleId :
 SLCS722

Tgt Ion:	278	Resp:	13618
Ion Ratio	Lower	Upper	
278	100		
139	23.1	18.1	27.1
279	29.3	25.0	37.4



#29
 Benzo(g,h,i)perylene
 Concen: 0.448 ng/ul
 RT: 26.745 min Scan# 5901
 Delta R.T. -0.008 min
 Lab File: BN038274.D
 Acq: 05 Dec 2025 14:31

Tgt Ion:	276	Resp:	16136
Ion Ratio	Lower	Upper	
276	100		
138	28.0	21.6	32.4
277	25.2	19.8	29.6

