

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
 Data File : BN038204.D
 Acq On : 26 Nov 2025 15:05
 Operator : RC/JU
 Sample : SST0.191
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SST0.1225

Quant Time: Nov 28 21:34:57 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

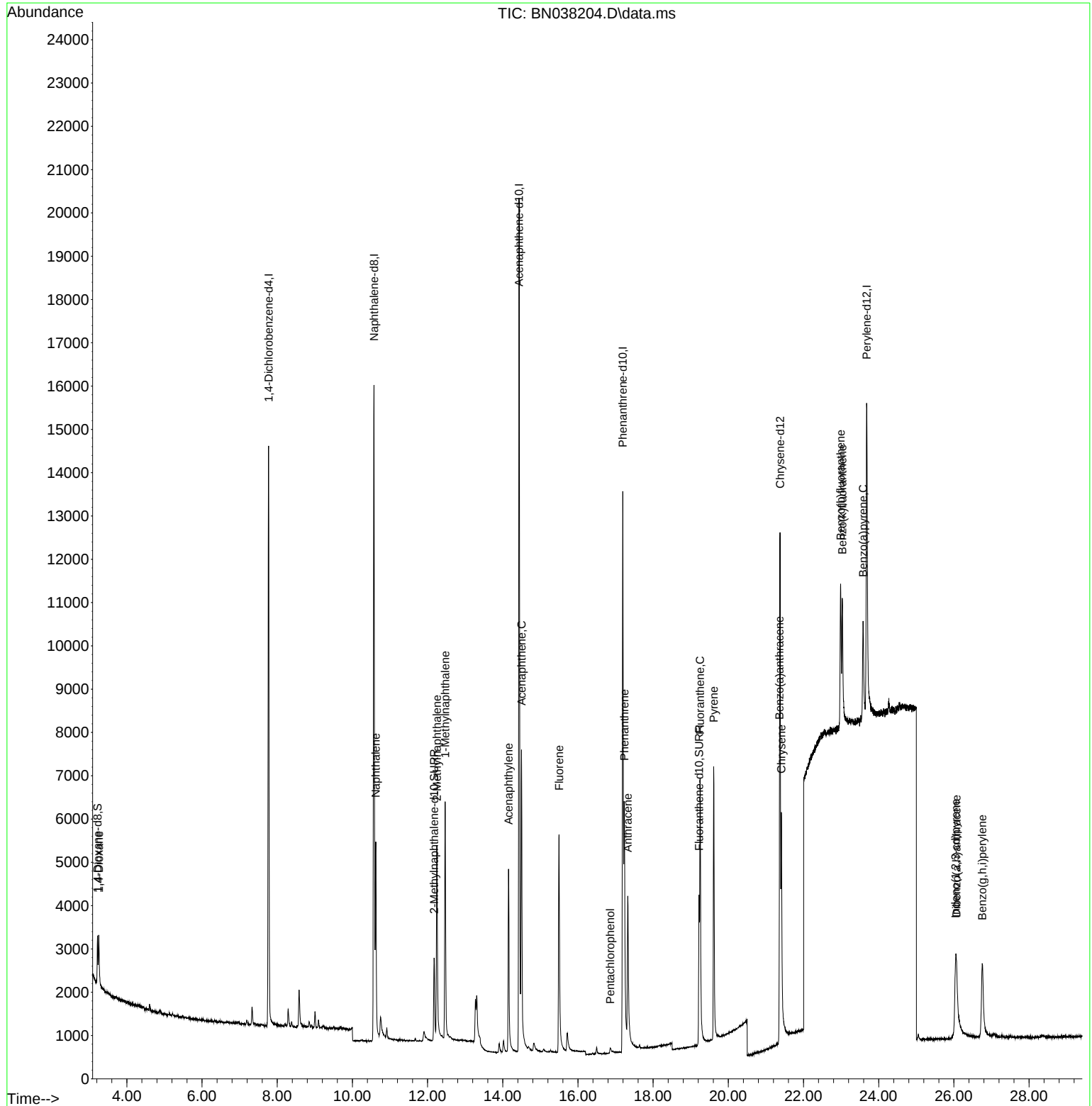
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.771	152	7233	0.400 ng/ul	0.00
4) Naphthalene-d8	10.573	136	22507	0.400 ng/ul	0.00
9) Acenaphthene-d10	14.432	164	12414	0.400 ng/ul	0.00
13) Phenanthrene-d10	17.192	188	21030	0.400 ng/ul	0.00
17) Chrysene-d12	21.377	240	12080	0.400 ng/ul	0.00
23) Perylene-d12	23.680	264	11966	0.400 ng/ul	0.00
System Monitoring Compounds					
3) 1,4-Dioxane-d8	3.222	96	843	0.110 ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.174	152	3253	0.102 ng/ul	0.00
18) Fluoranthene-d10	19.221	212	4746	0.122 ng/ul	0.00
Target Compounds					
					Qvalue
2) 1,4-Dioxane	3.256	88	925	0.115 ng/ul#	73
5) Naphthalene	10.623	128	6253	0.102 ng/ul	98
7) 2-Methylnaphthalene	12.245	142	4026	0.099 ng/ul	100
8) 1-Methylnaphthalene	12.465	142	4310	0.100 ng/ul	100
10) Acenaphthylene	14.155	152	5866	0.099 ng/ul	97
11) Acenaphthene	14.497	153	4430	0.102 ng/ul	98
12) Fluorene	15.496	166	4553	0.093 ng/ul	97
14) Pentachlorophenol	16.859	266	216	0.044 ng/ul#	88
15) Phenanthrene	17.234	178	6660	0.098 ng/ul	97
16) Anthracene	17.327	178	5397	0.091 ng/ul	96
19) Fluoranthene	19.249	202	6445	0.120 ng/ul	96
20) Pyrene	19.611	202	6510	0.122 ng/ul	97
21) Benzo(a)anthracene	21.362	228	3955	0.092 ng/ul	96
22) Chrysene	21.412	228	5366	0.114 ng/ul	96
24) Benzo(b)fluoranthene	22.987	252	4576	0.089 ng/ul#	56
25) Benzo(k)fluoranthene	23.031	252	4923	0.096 ng/ul#	57
26) Benzo(a)pyrene	23.584	252	4166	0.097 ng/ul#	42
27) Indeno(1,2,3-cd)pyrene	26.044	276	4545	0.087 ng/ul#	90
28) Dibenzo(a,h)anthracene	26.071	278	2940	0.074 ng/ul#	45
29) Benzo(g,h,i)perylene	26.759	276	4661	0.106 ng/ul#	86

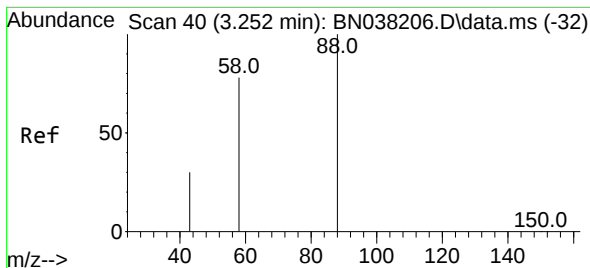
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.115 ng/ul

RT: 3.256 min Scan# 41

Delta R.T. 0.004 min

Lab File: BN038204.D

Acq: 26 Nov 2025 15:05

Instrument :

BNA_N

ClientSampleId :

SSTD0.1225

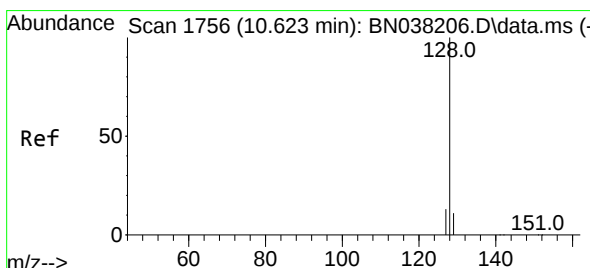
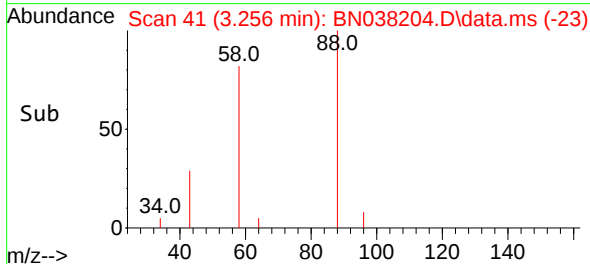
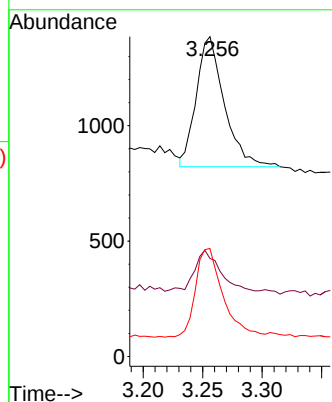
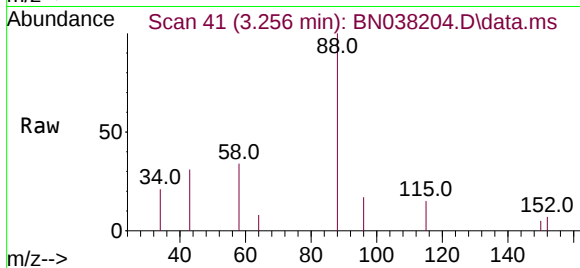
Tgt Ion: 88 Resp: 925

Ion Ratio Lower Upper

88 100

43 30.7 27.5 41.3

58 33.8 50.5 75.7#



#5

Naphthalene

Concen: 0.102 ng/ul

RT: 10.623 min Scan# 1756

Delta R.T. 0.000 min

Lab File: BN038204.D

Acq: 26 Nov 2025 15:05

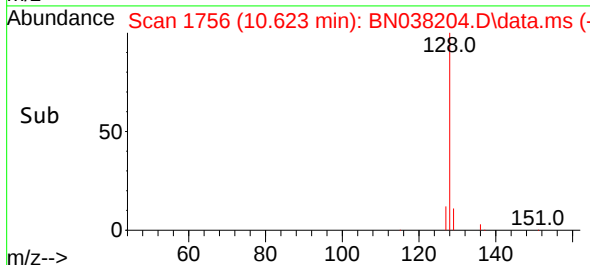
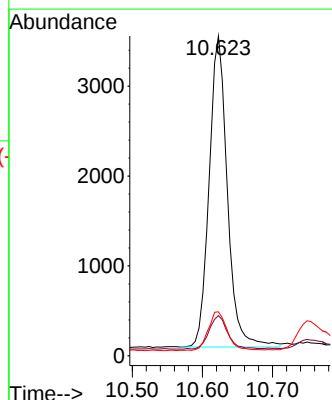
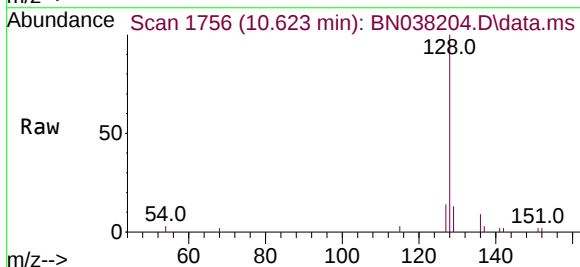
Tgt Ion: 128 Resp: 6253

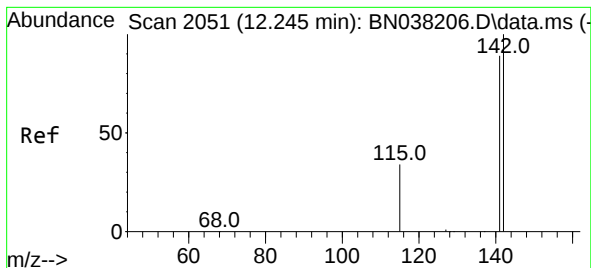
Ion Ratio Lower Upper

128 100

129 12.6 9.0 13.6

127 13.8 10.6 16.0

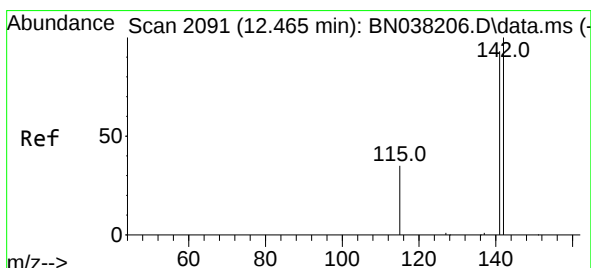
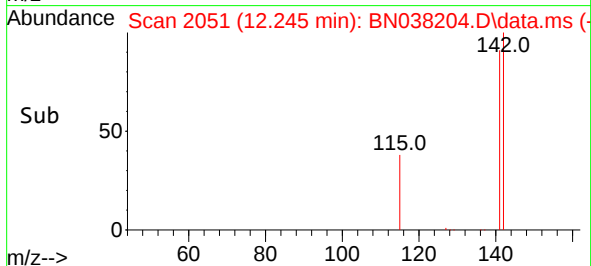
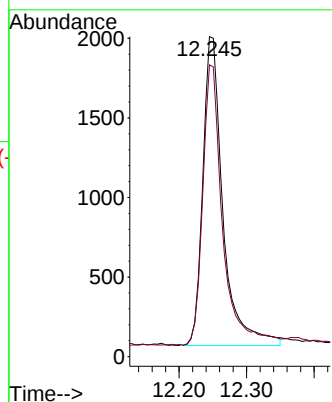
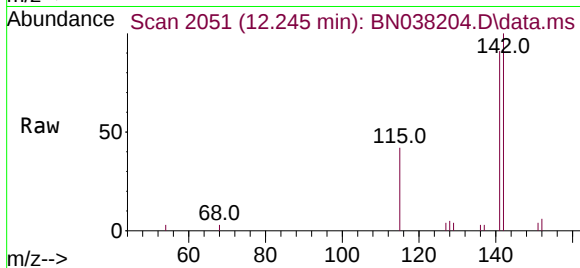




#7
2-Methylnaphthalene
Concen: 0.099 ng/ul
RT: 12.245 min Scan# 2051
Delta R.T. 0.000 min
Lab File: BN038204.D
Acq: 26 Nov 2025 15:05

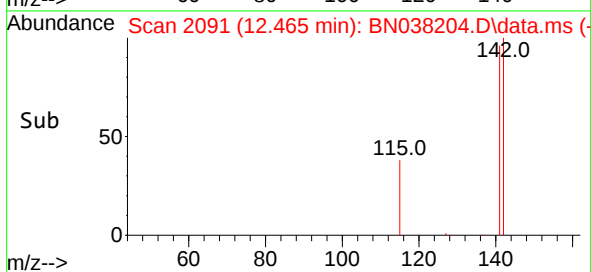
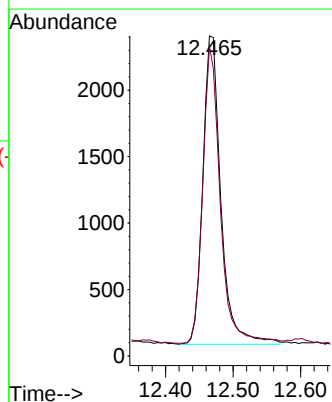
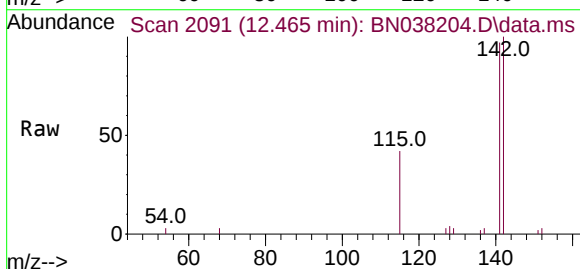
Instrument :
BNA_N
ClientSampleId :
SSTD0.1225

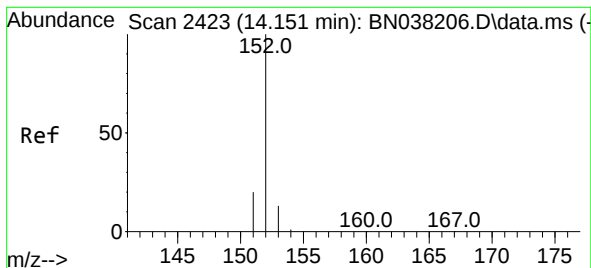
Tgt Ion:142 Resp: 4026
Ion Ratio Lower Upper
142 100
141 89.7 71.7 107.5



#8
1-Methylnaphthalene
Concen: 0.100 ng/ul
RT: 12.465 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BN038204.D
Acq: 26 Nov 2025 15:05

Tgt Ion:142 Resp: 4310
Ion Ratio Lower Upper
142 100
141 92.9 74.1 111.1





#10

Acenaphthylene

Concen: 0.099 ng/ul

RT: 14.155 min Scan# 2423

Delta R.T. 0.004 min

Lab File: BN038204.D

Acq: 26 Nov 2025 15:05

Instrument :

BNA_N

ClientSampleId :

SSTD0.1225

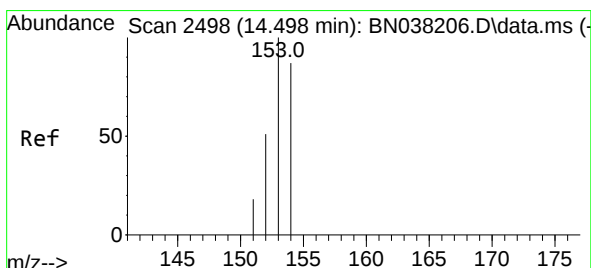
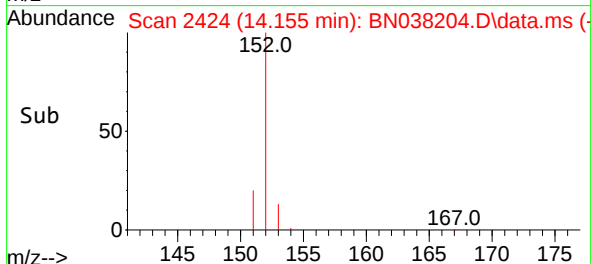
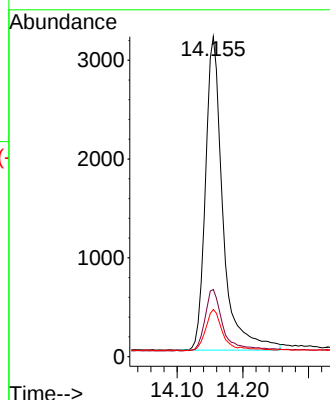
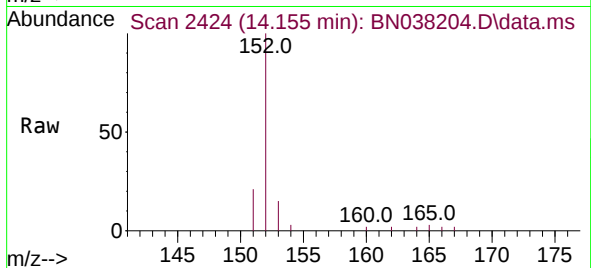
Tgt Ion:152 Resp: 5866

Ion Ratio Lower Upper

152 100

151 21.0 16.0 24.0

153 14.7 10.7 16.1



#11

Acenaphthene

Concen: 0.102 ng/ul

RT: 14.497 min Scan# 2498

Delta R.T. -0.001 min

Lab File: BN038204.D

Acq: 26 Nov 2025 15:05

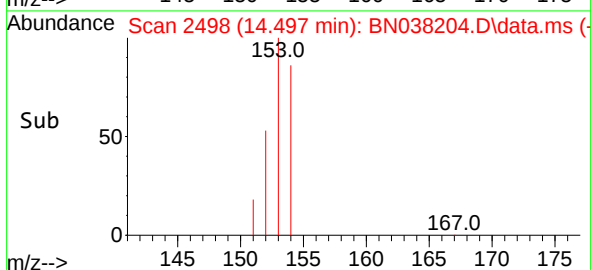
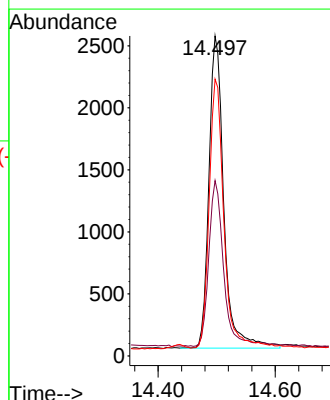
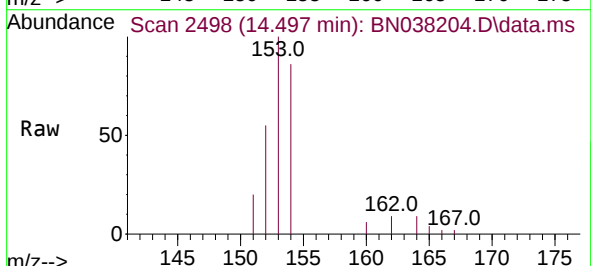
Tgt Ion:153 Resp: 4430

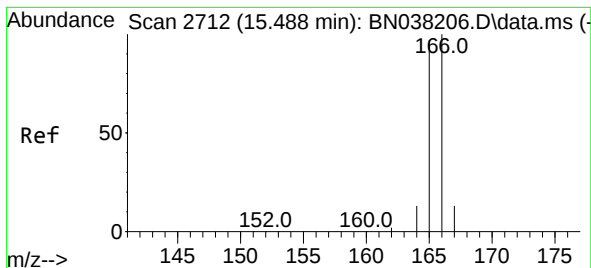
Ion Ratio Lower Upper

153 100

152 54.8 41.4 62.0

154 86.5 69.7 104.5





#12

Fluorene

Concen: 0.093 ng/ul

RT: 15.496 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN038204.D

Acq: 26 Nov 2025 15:05

Instrument :

BNA_N

ClientSampleId :

SSTD0.1225

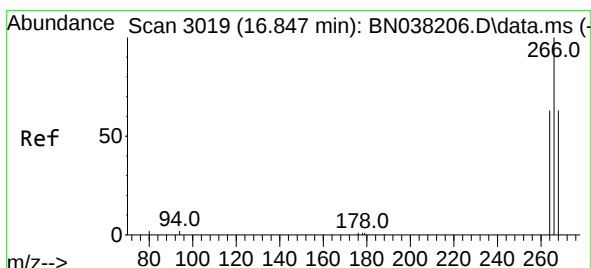
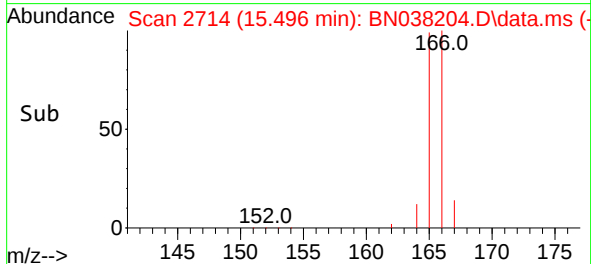
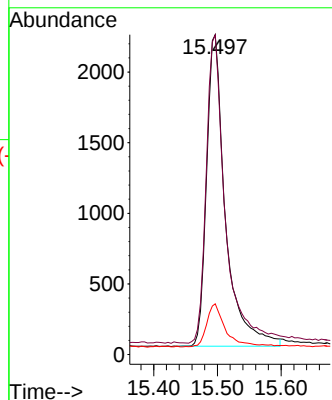
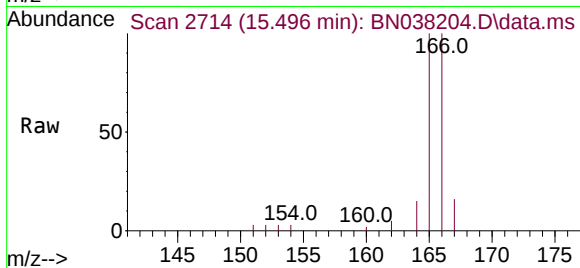
Tgt Ion:166 Resp: 4553

Ion Ratio Lower Upper

166 100

165 99.9 78.1 117.1

167 15.9 11.0 16.4



#14

Pentachlorophenol

Concen: 0.044 ng/ul

RT: 16.859 min Scan# 3022

Delta R.T. 0.012 min

Lab File: BN038204.D

Acq: 26 Nov 2025 15:05

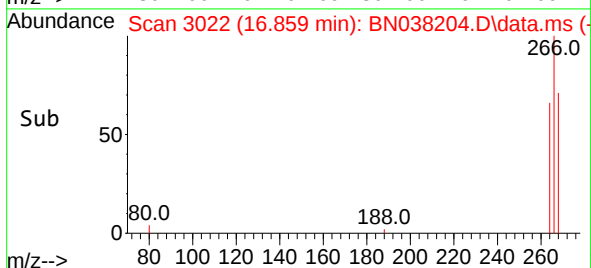
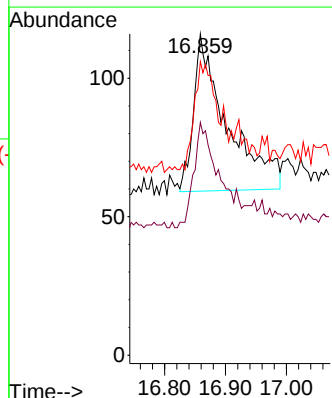
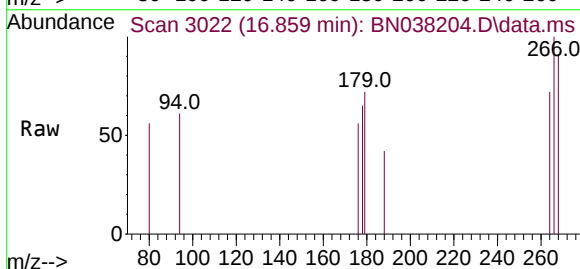
Tgt Ion:266 Resp: 216

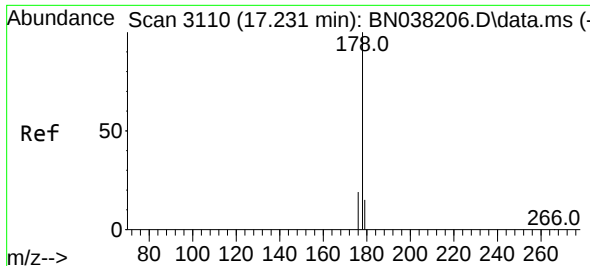
Ion Ratio Lower Upper

266 100

264 63.9 49.3 73.9

268 50.5 53.7 80.5#

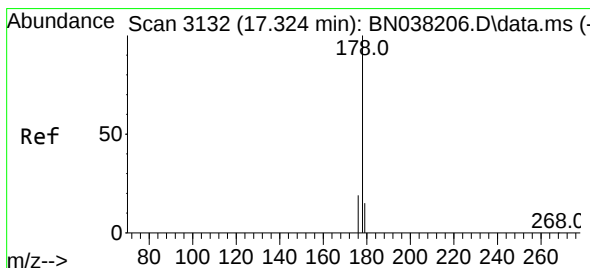
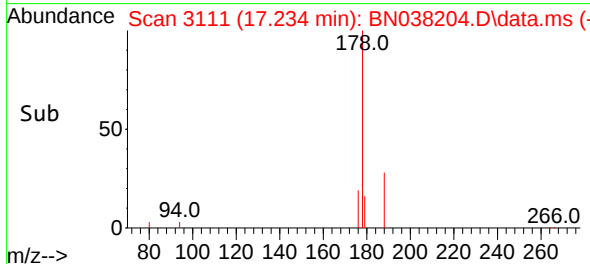
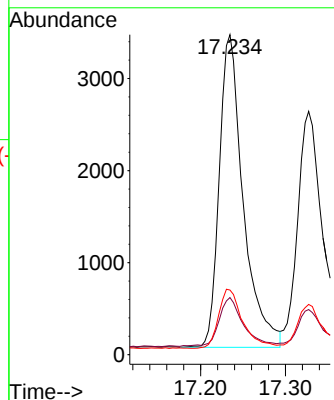
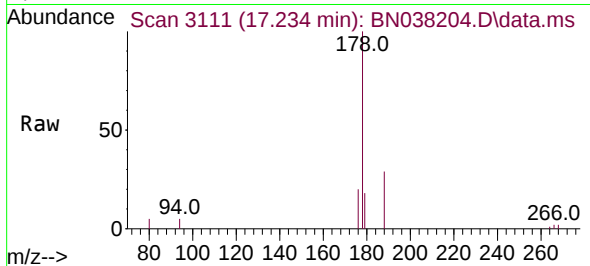




#15
Phenanthrene
Concen: 0.098 ng/ul
RT: 17.234 min Scan# 3111
Delta R.T. 0.003 min
Lab File: BN038204.D
Acq: 26 Nov 2025 15:05

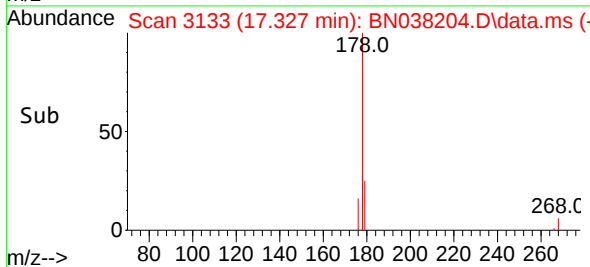
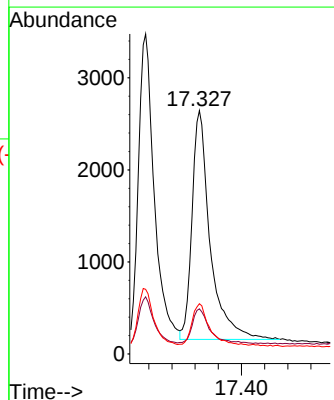
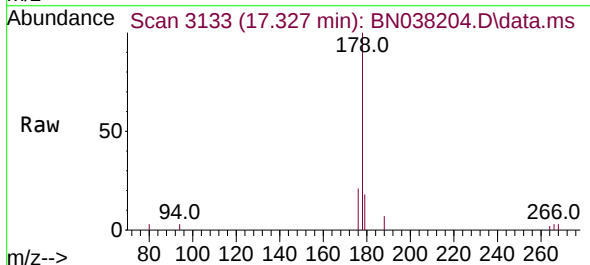
Instrument :
BNA_N
ClientSampleId :
SSTD0.1225

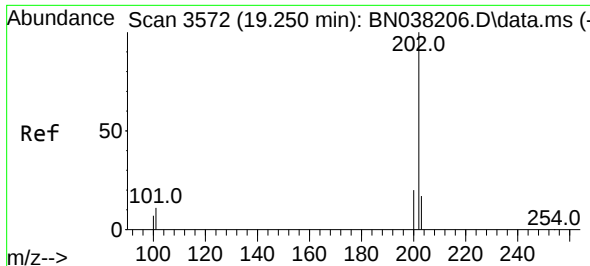
Tgt Ion:178 Resp: 6660
Ion Ratio Lower Upper
178 100
179 17.9 12.4 18.6
176 20.2 15.8 23.6



#16
Anthracene
Concen: 0.091 ng/ul
RT: 17.327 min Scan# 3133
Delta R.T. 0.004 min
Lab File: BN038204.D
Acq: 26 Nov 2025 15:05

Tgt Ion:178 Resp: 5397
Ion Ratio Lower Upper
178 100
179 18.5 12.8 19.2
176 20.7 15.4 23.2

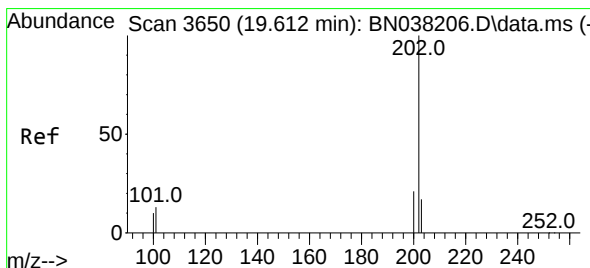
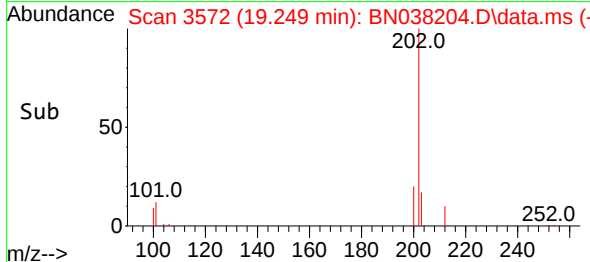
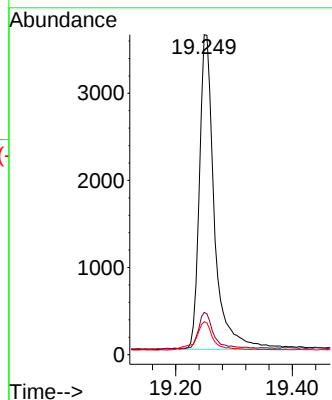
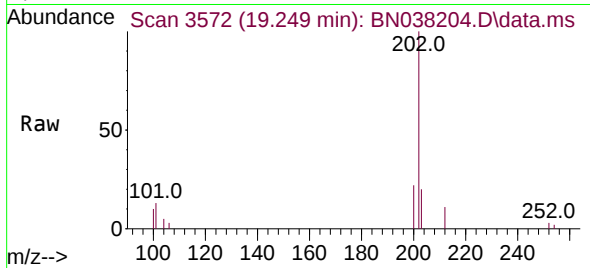




#19
Fluoranthene
Concen: 0.120 ng/ul
RT: 19.249 min Scan# 3572
Delta R.T. -0.001 min
Lab File: BN038204.D
Acq: 26 Nov 2025 15:05

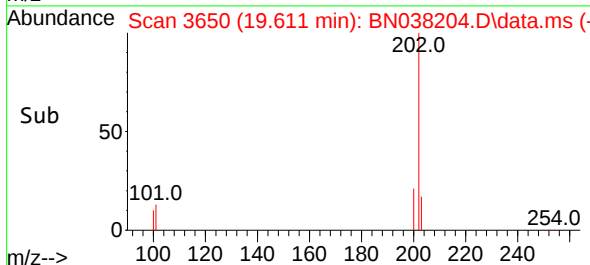
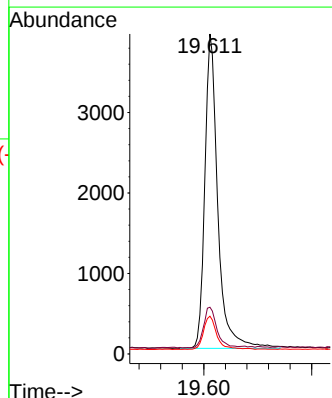
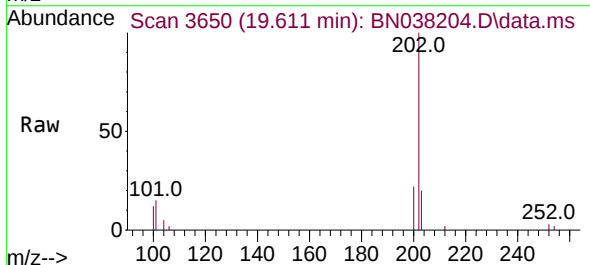
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SSTD0.1225

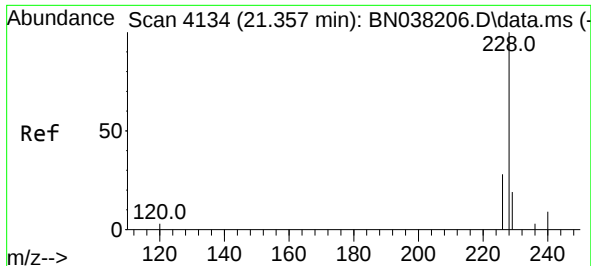
Tgt Ion:202 Resp: 6445
Ion Ratio Lower Upper
202 100
101 13.2 9.3 13.9
100 10.3 7.2 10.8



#20
Pyrene
Concen: 0.122 ng/ul
RT: 19.611 min Scan# 3650
Delta R.T. -0.001 min
Lab File: BN038204.D
Acq: 26 Nov 2025 15:05

Tgt Ion:202 Resp: 6510
Ion Ratio Lower Upper
202 100
101 14.6 10.6 16.0
100 11.8 8.5 12.7

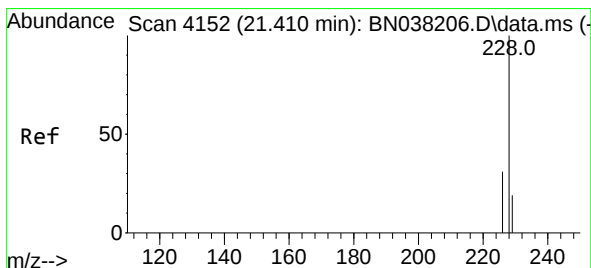
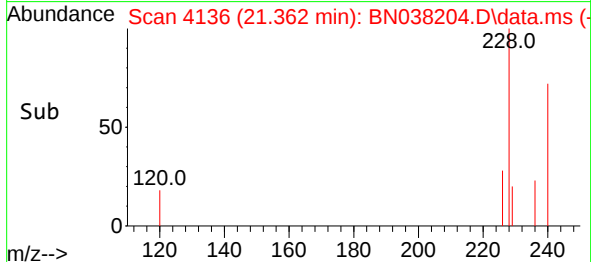
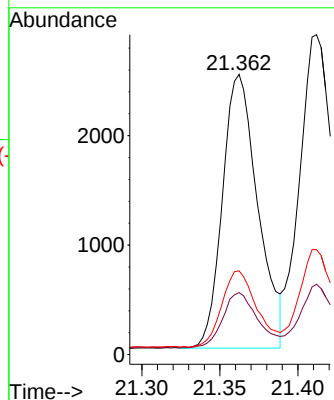
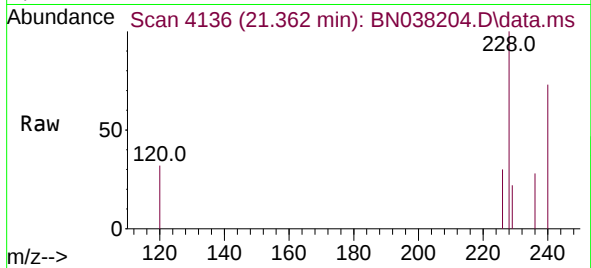




#21
Benzo(a)anthracene
Concen: 0.092 ng/ul
RT: 21.362 min Scan# 4136
Delta R.T. 0.005 min
Lab File: BN038204.D
Acq: 26 Nov 2025 15:05

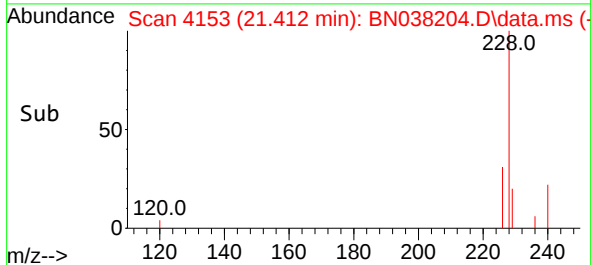
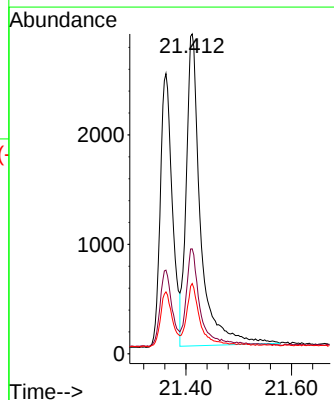
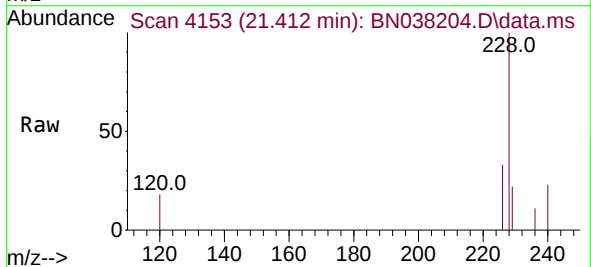
Instrument :
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ClientSampleId :
SSTD0.1225

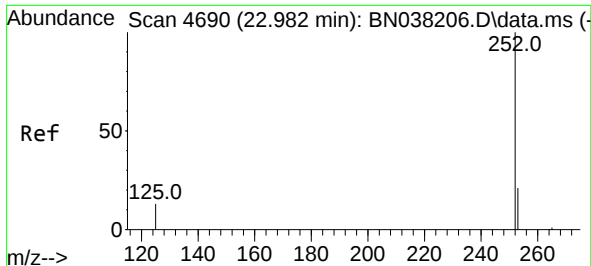
Tgt Ion:228	Resp:	3955
Ion Ratio	Lower	Upper
228	100	
229	22.1	15.6 23.4
226	29.9	22.4 33.6



#22
Chrysene
Concen: 0.114 ng/ul
RT: 21.412 min Scan# 4153
Delta R.T. 0.002 min
Lab File: BN038204.D
Acq: 26 Nov 2025 15:05

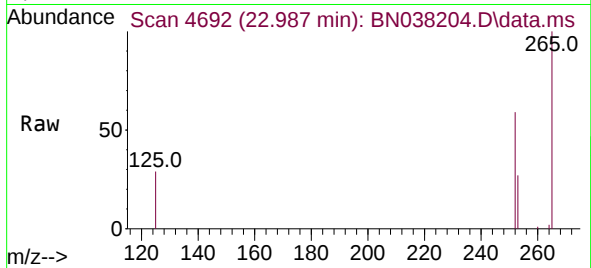
Tgt Ion:228	Resp:	5366
Ion Ratio	Lower	Upper
228	100	
226	32.8	25.0 37.4
229	22.0	15.4 23.0



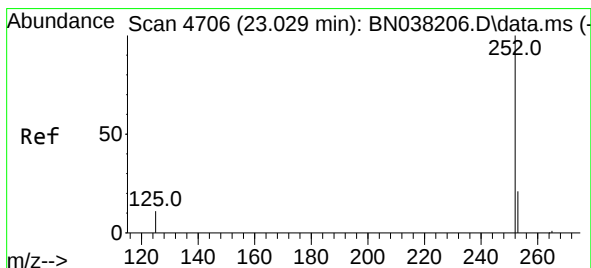
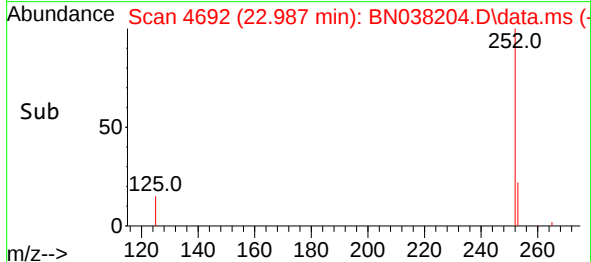
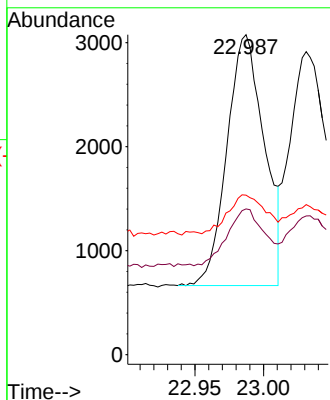


#24
Benzo(b)fluoranthene
Concen: 0.089 ng/ul
RT: 22.987 min Scan# 4692
Delta R.T. 0.005 min
Lab File: BN038204.D
Acq: 26 Nov 2025 15:05

Instrument :
BNA_N
ClientSampleId :
SSTD0.1225

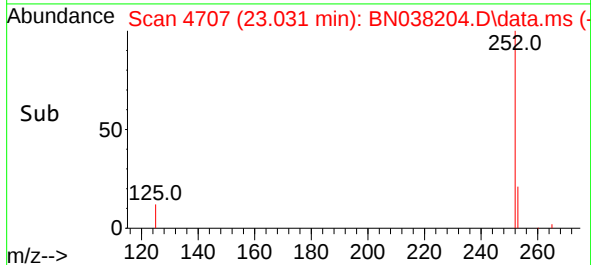
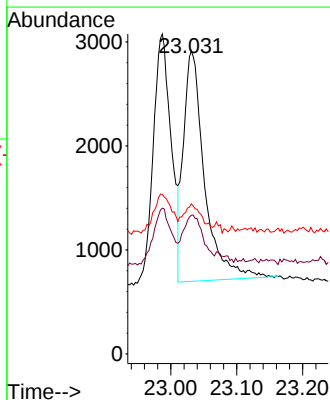
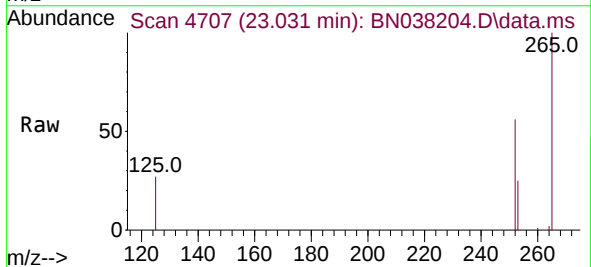


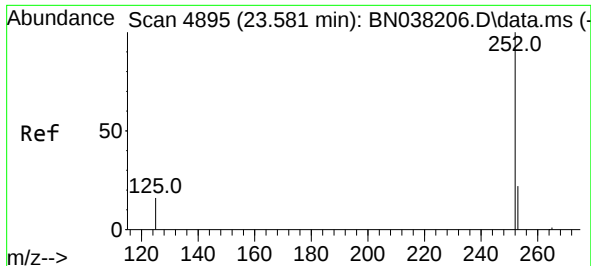
Tgt Ion:252 Resp: 4576
Ion Ratio Lower Upper
252 100
253 45.5 0.0 55.8
125 49.9 0.0 45.6#



#25
Benzo(k)fluoranthene
Concen: 0.096 ng/ul
RT: 23.031 min Scan# 4707
Delta R.T. 0.002 min
Lab File: BN038204.D
Acq: 26 Nov 2025 15:05

Tgt Ion:252 Resp: 4923
Ion Ratio Lower Upper
252 100
253 45.8 22.9 34.3#
125 49.5 17.7 26.5#

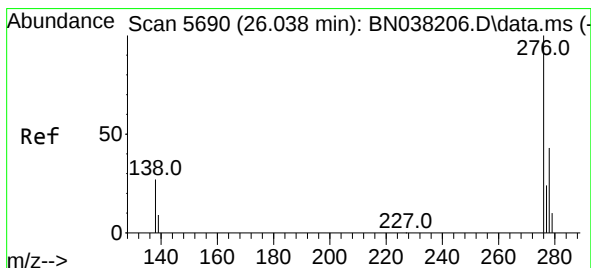
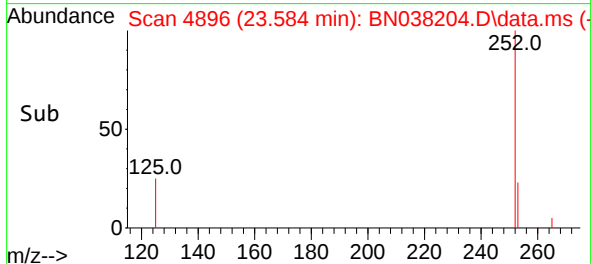
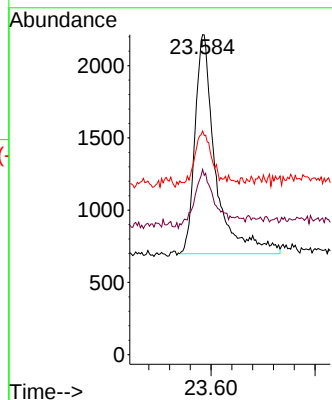
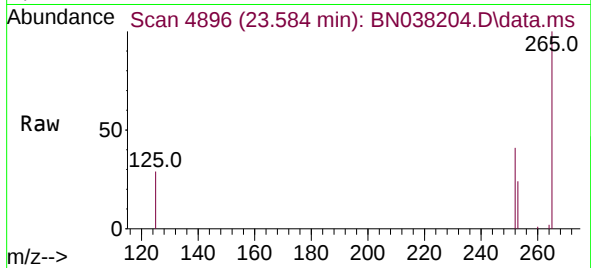




#26
Benzo(a)pyrene
Concen: 0.097 ng/ul
RT: 23.584 min Scan# 4895
Delta R.T. 0.002 min
Lab File: BN038204.D
Acq: 26 Nov 2025 15:05

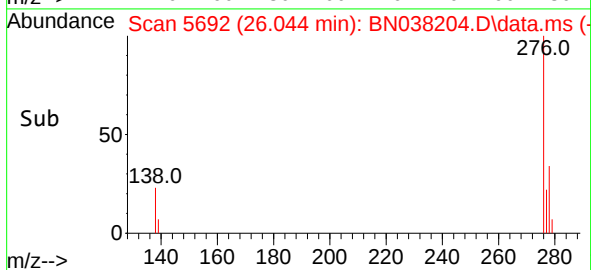
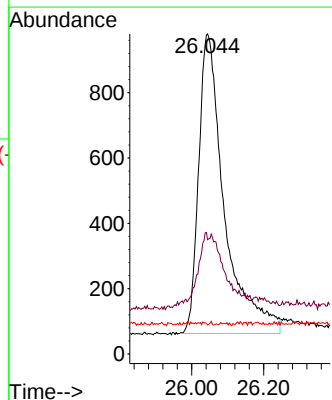
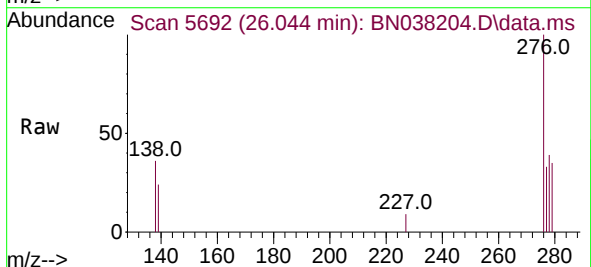
Instrument :
BNA_N
ClientSampleId :
SSTD0.1225

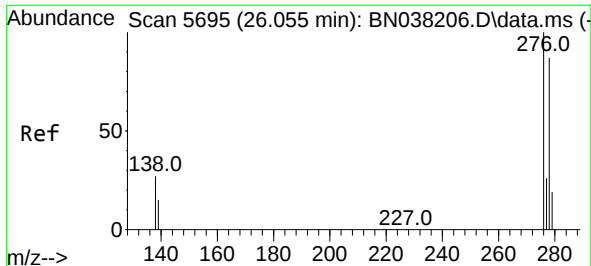
Tgt Ion:252 Resp: 4166
Ion Ratio Lower Upper
252 100
253 57.9 25.9 38.9#
125 69.9 24.6 37.0#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.087 ng/ul
RT: 26.044 min Scan# 5692
Delta R.T. 0.006 min
Lab File: BN038204.D
Acq: 26 Nov 2025 15:05

Tgt Ion:276 Resp: 4545
Ion Ratio Lower Upper
276 100
138 23.1 22.9 34.3
227 0.1 0.0 0.0#

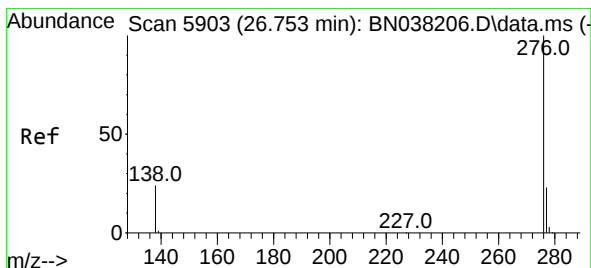
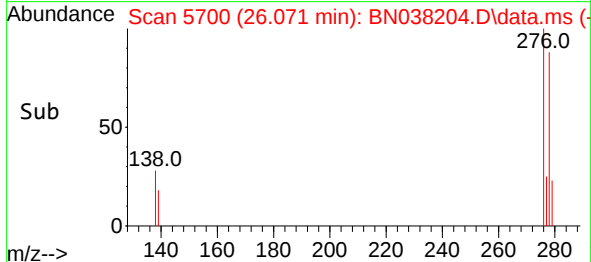
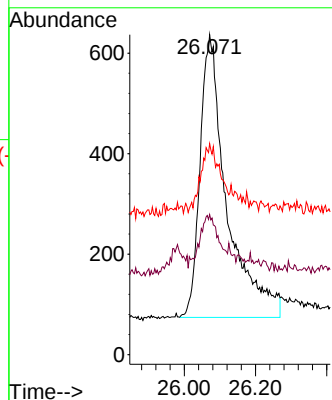
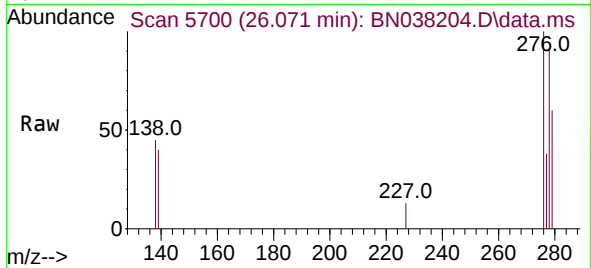




#28
Dibenzo(a,h)anthracene
Concen: 0.074 ng/ul
RT: 26.071 min Scan# 51
Delta R.T. 0.016 min
Lab File: BN038204.D
Acq: 26 Nov 2025 15:05

Instrument :
BNA_N
ClientSampleId :
SSTD0.1225

Tgt Ion:278 Resp: 2940
Ion Ratio Lower Upper
278 100
139 43.8 18.1 27.1#
279 65.9 25.0 37.4#



#29
Benzo(g,h,i)perylene
Concen: 0.106 ng/ul
RT: 26.759 min Scan# 5905
Delta R.T. 0.006 min
Lab File: BN038204.D
Acq: 26 Nov 2025 15:05

Tgt Ion:276 Resp: 4661
Ion Ratio Lower Upper
276 100
138 34.9 21.6 32.4#
277 31.2 19.8 29.6#

