

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
 Data File : BN038254.D
 Acq On : 02 Dec 2025 14:36
 Operator : RC/JU
 Sample : Q3688-02MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 M-31SMS

Quant Time: Dec 03 00:35:35 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)

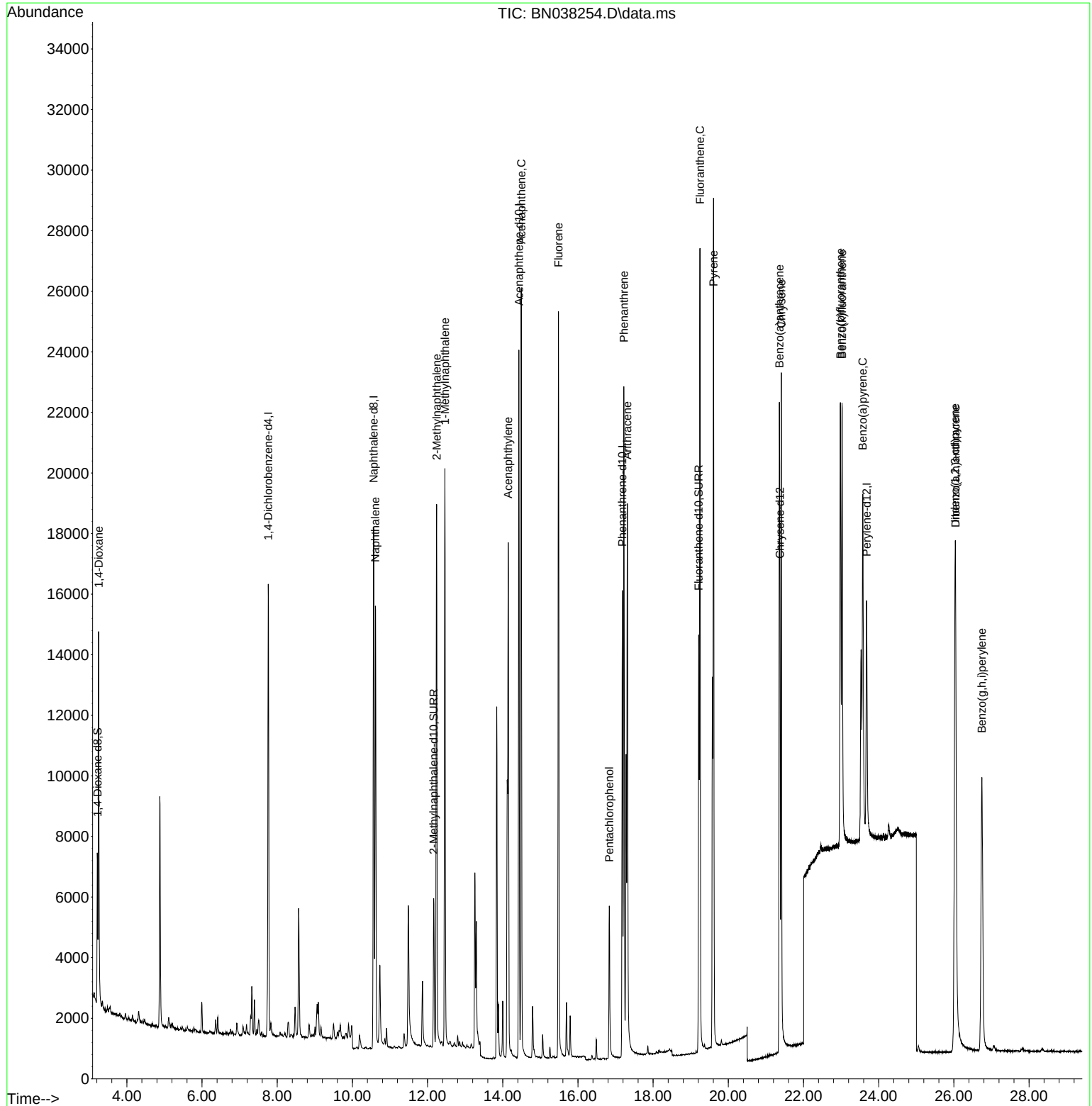
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	7612	0.400	ng/u1	0.00
4) Naphthalene-d8	10.562	136	24125	0.400	ng/u1	-0.01
9) Acenaphthene-d10	14.428	164	12757	0.400	ng/u1	0.00
13) Phenanthrene-d10	17.179	188	18778	0.400	ng/u1	0.00
17) Chrysene-d12	21.374	240	11093	0.400	ng/u1	0.00
23) Perylene-d12	23.680	264	11208	0.400	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.218	96	3025	0.379	ng/u1	0.00
6) 2-Methylnaphthalene-d10	12.162	152	6768	0.197	ng/u1	-0.01
18) Fluoranthene-d10	19.211	212	15453	0.358	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.247	88	8165	0.949	ng/u1	94
5) Naphthalene	10.612	128	20355	0.311	ng/u1	99
7) 2-Methylnaphthalene	12.239	142	13586	0.310	ng/u1	99
8) 1-Methylnaphthalene	12.459	142	13235	0.285	ng/u1	100
10) Acenaphthylene	14.145	152	20353	0.340	ng/u1	99
11) Acenaphthene	14.492	153	14621	0.328	ng/u1	99
12) Fluorene	15.482	166	16151	0.338	ng/u1	98
14) Pentachlorophenol	16.833	266	3864	1.283	ng/u1	97
15) Phenanthrene	17.222	178	24361	0.414	ng/u1	99
16) Anthracene	17.314	178	20975	0.420	ng/u1	100
19) Fluoranthene	19.244	202	23525	0.397	ng/u1	98
20) Pyrene	19.606	202	23779	0.405	ng/u1	99
21) Benzo(a)anthracene	21.356	228	17834	0.481	ng/u1	100
22) Chrysene	21.409	228	20201	0.439	ng/u1	99
24) Benzo(b)fluoranthene	22.981	252	19800	0.451	ng/u1	99
25) Benzo(k)fluoranthene	23.025	252	20182	0.437	ng/u1	98
26) Benzo(a)pyrene	23.575	252	17688	0.446	ng/u1	96
27) Indeno(1,2,3-cd)pyrene	26.031	276	24007	0.509	ng/u1#	99
28) Dibenzo(a,h)anthracene	26.044	278	18612	0.562	ng/u1	95
29) Benzo(g,h,i)perylene	26.745	276	20276	0.457	ng/u1	99

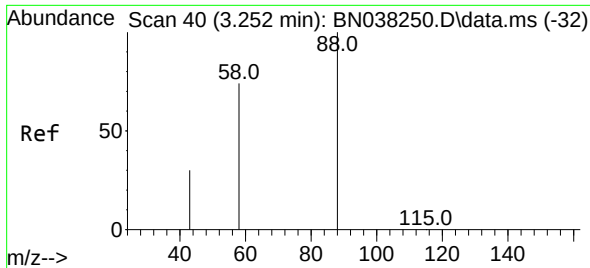
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 03 00:35:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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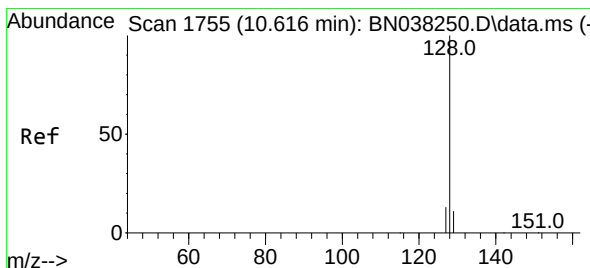
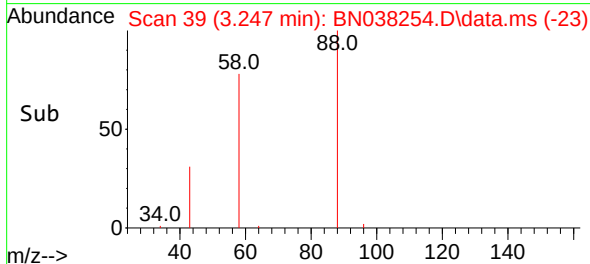
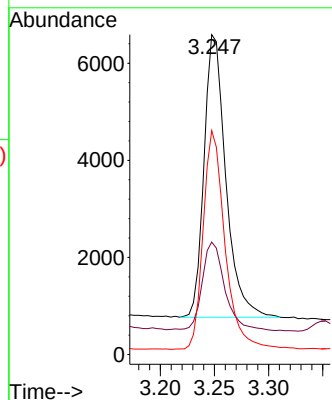
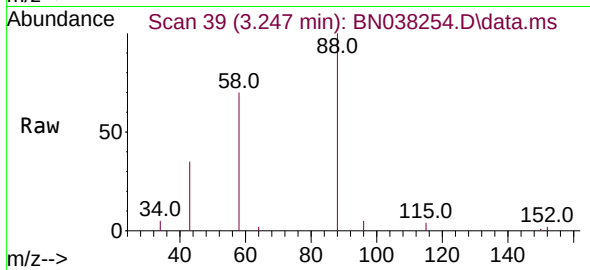




#2
 1,4-Dioxane
 Concen: 0.949 ng/ul
 RT: 3.247 min Scan# 39
 Delta R.T. -0.004 min
 Lab File: BN038254.D
 Acq: 02 Dec 2025 14:36

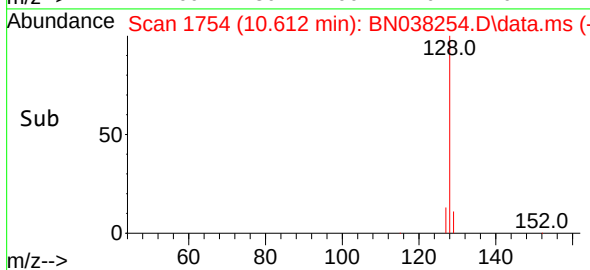
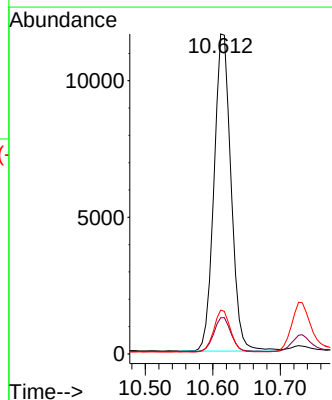
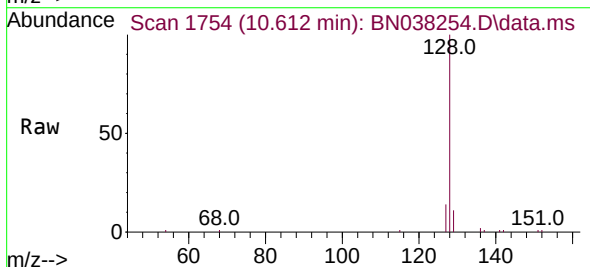
Instrument :
 BNA_N
 ClientSampleId :
 M-31SMS

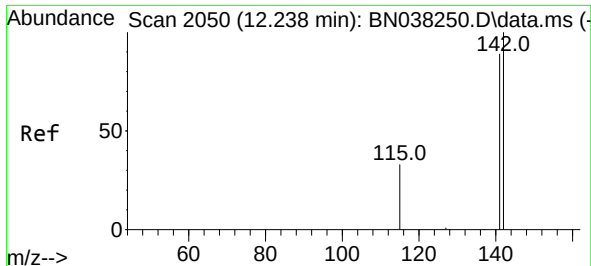
Tgt Ion: 88 Resp: 8165
 Ion Ratio Lower Upper
 88 100
 43 35.2 27.5 41.3
 58 70.0 50.5 75.7



#5
 Naphthalene
 Concen: 0.311 ng/ul
 RT: 10.612 min Scan# 1754
 Delta R.T. -0.011 min
 Lab File: BN038254.D
 Acq: 02 Dec 2025 14:36

Tgt Ion: 128 Resp: 20355
 Ion Ratio Lower Upper
 128 100
 129 11.3 9.0 13.6
 127 13.7 10.6 16.0

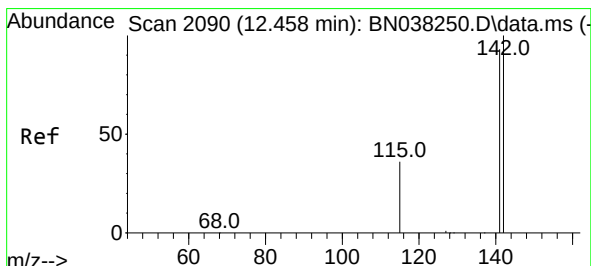
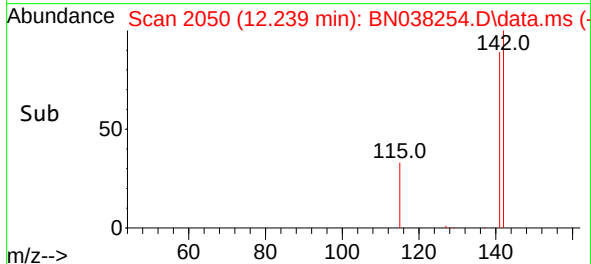
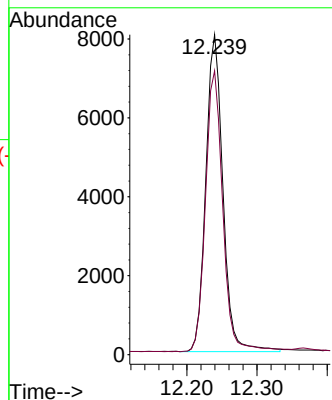
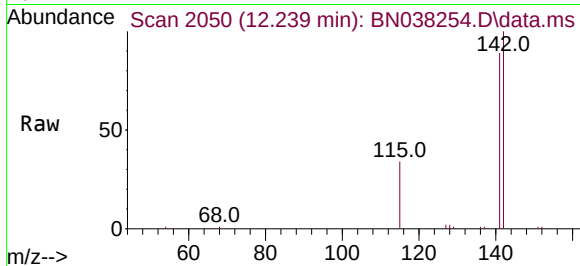




#7
2-Methylnaphthalene
Concen: 0.310 ng/ul
RT: 12.239 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

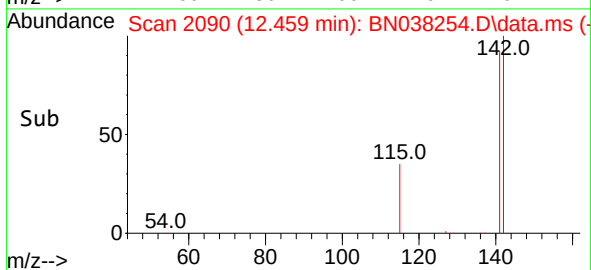
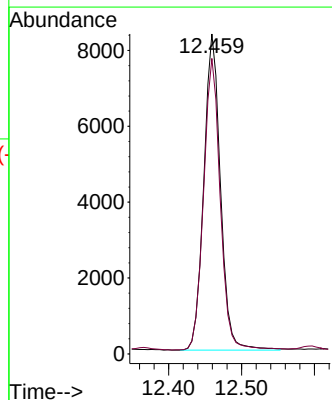
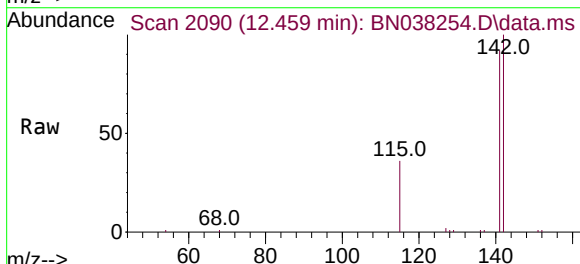
Instrument :
BNA_N
ClientSampleId :
M-31SMS

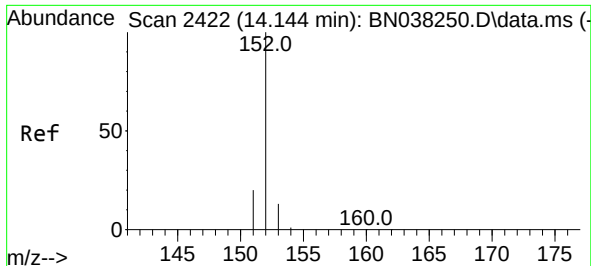
Tgt Ion:142 Resp: 13586
Ion Ratio Lower Upper
142 100
141 89.1 71.7 107.5



#8
1-Methylnaphthalene
Concen: 0.285 ng/ul
RT: 12.459 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:142 Resp: 13235
Ion Ratio Lower Upper
142 100
141 92.3 74.1 111.1

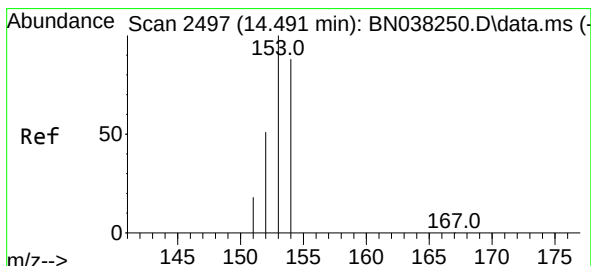
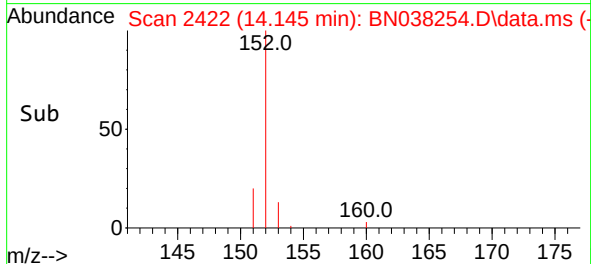
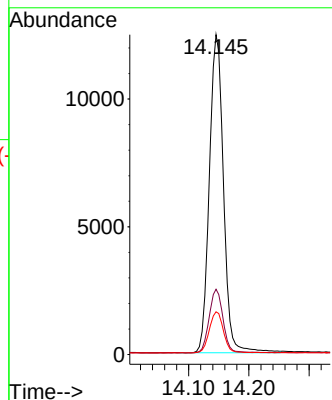
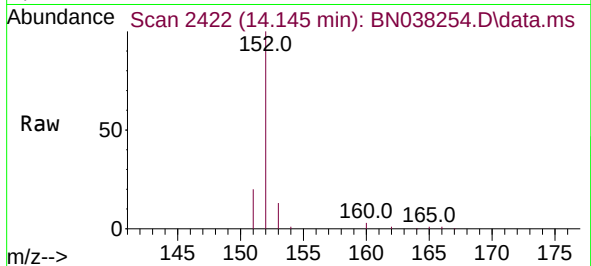




#10
Acenaphthylene
Concen: 0.340 ng/ul
RT: 14.145 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

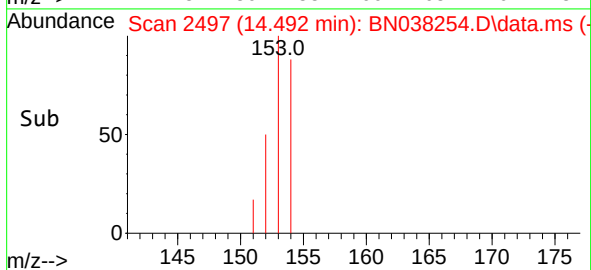
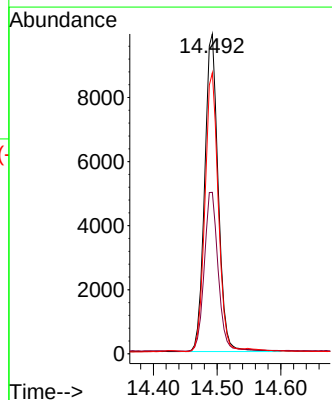
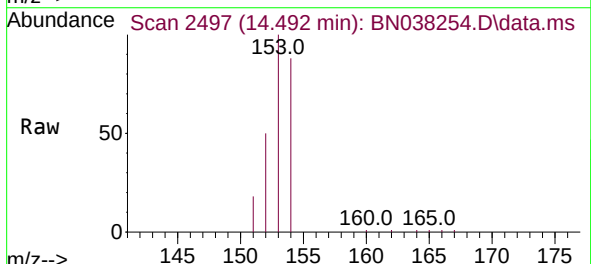
Instrument :
BNA_N
ClientSampleId :
M-31SMS

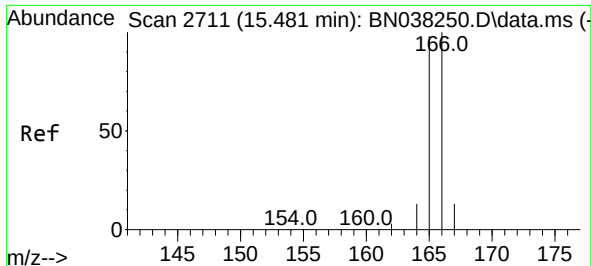
Tgt Ion:152 Resp: 20353
Ion Ratio Lower Upper
152 100
151 20.4 16.0 24.0
153 13.4 10.7 16.1



#11
Acenaphthene
Concen: 0.328 ng/ul
RT: 14.492 min Scan# 2497
Delta R.T. -0.006 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:153 Resp: 14621
Ion Ratio Lower Upper
153 100
152 50.5 41.4 62.0
154 87.8 69.7 104.5

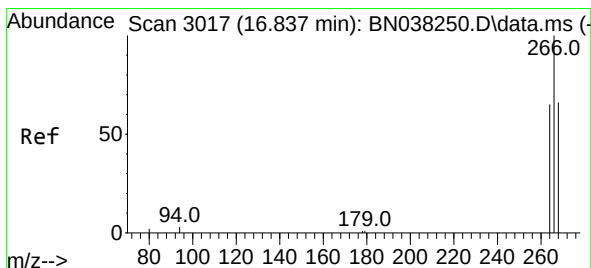
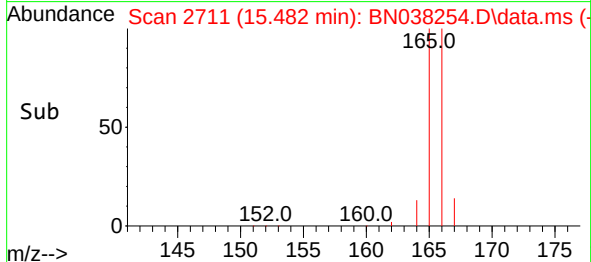
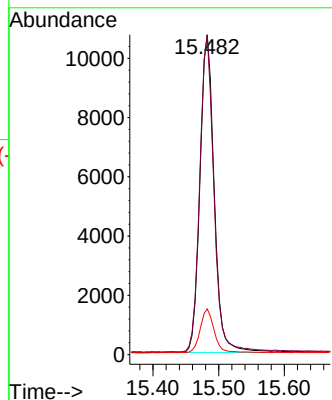
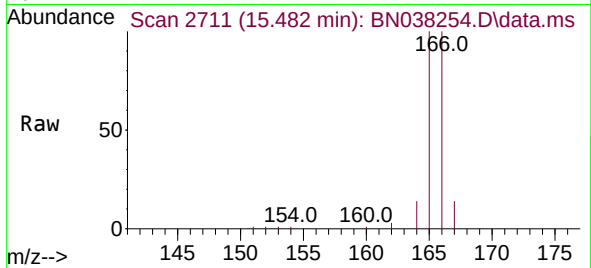




#12
Fluorene
Concen: 0.338 ng/ul
RT: 15.482 min Scan# 2711
Delta R.T. -0.006 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

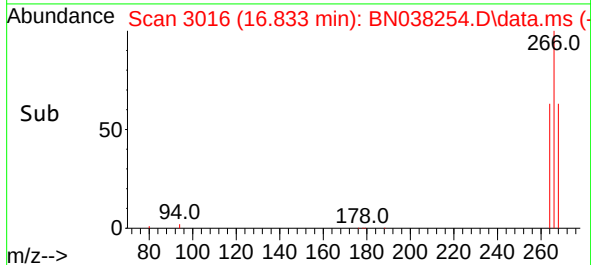
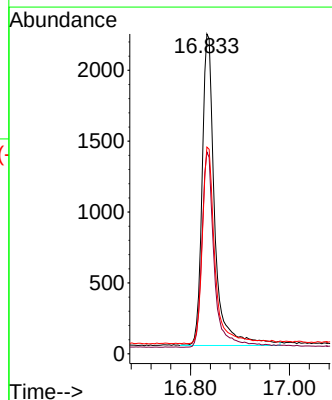
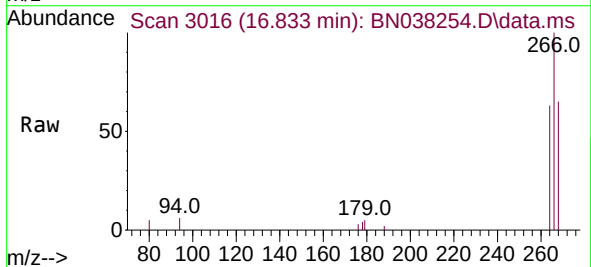
Instrument :
BNA_N
ClientSampleId :
M-31SMS

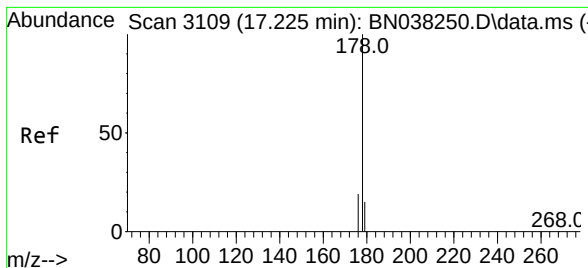
Tgt Ion:166 Resp: 16151
Ion Ratio Lower Upper
166 100
165 99.8 78.1 117.1
167 14.3 11.0 16.4



#14
Pentachlorophenol
Concen: 1.283 ng/ul
RT: 16.833 min Scan# 3016
Delta R.T. -0.014 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:266 Resp: 3864
Ion Ratio Lower Upper
266 100
264 62.0 49.3 73.9
268 63.0 53.7 80.5





#15

Phenanthrene

Concen: 0.414 ng/ul

RT: 17.222 min Scan# 3108

Delta R.T. -0.009 min

Lab File: BN038254.D

Acq: 02 Dec 2025 14:36

Instrument :

BNA_N

ClientSampleId :

M-31SMS

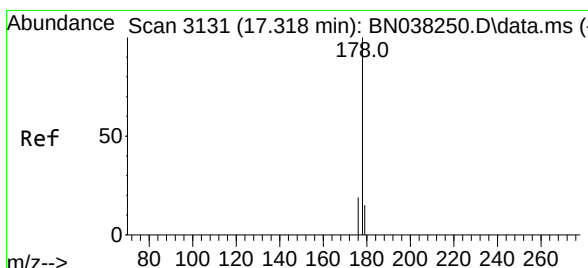
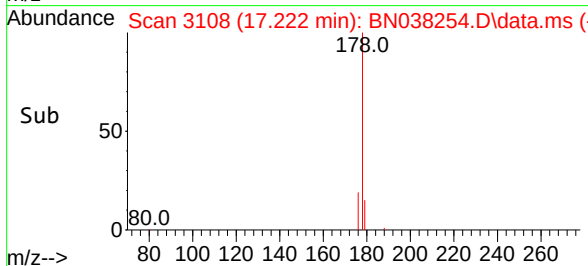
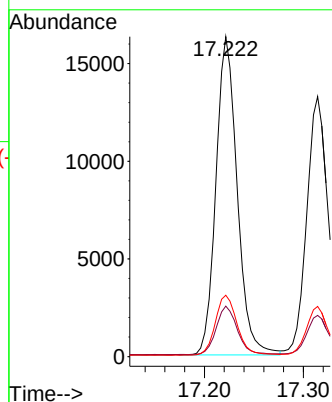
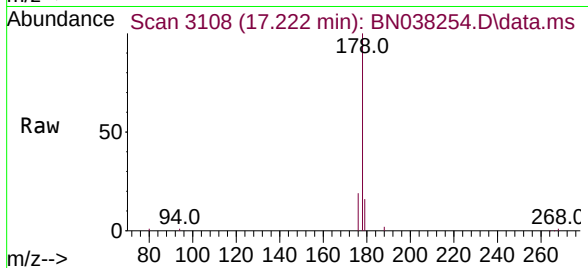
Tgt Ion:178 Resp: 24361

Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

176 19.2 15.8 23.6



#16

Anthracene

Concen: 0.420 ng/ul

RT: 17.314 min Scan# 3130

Delta R.T. -0.009 min

Lab File: BN038254.D

Acq: 02 Dec 2025 14:36

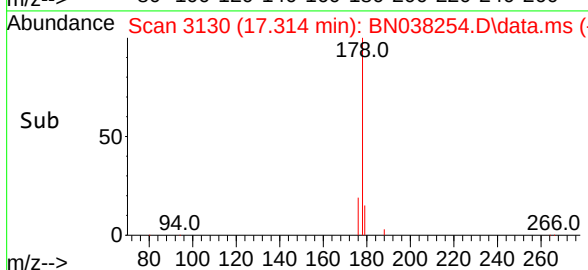
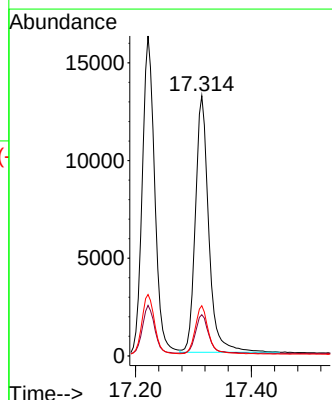
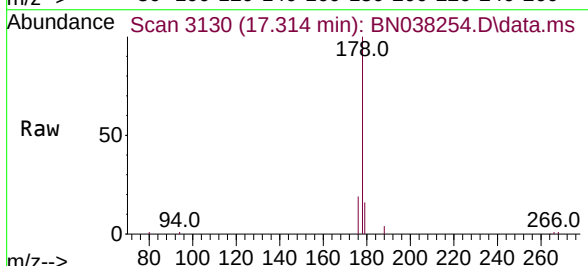
Tgt Ion:178 Resp: 20975

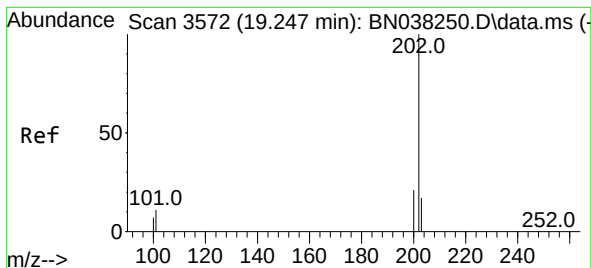
Ion Ratio Lower Upper

178 100

179 15.9 12.8 19.2

176 19.3 15.4 23.2





#19

Fluoranthene

Concen: 0.397 ng/ul

RT: 19.244 min Scan# 3572

Delta R.T. -0.006 min

Lab File: BN038254.D

Acq: 02 Dec 2025 14:36

Instrument :

BNA_N

ClientSampleId :

M-31SMS

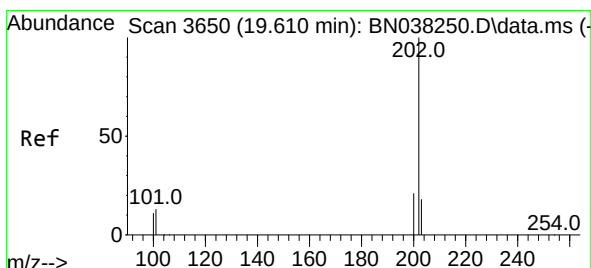
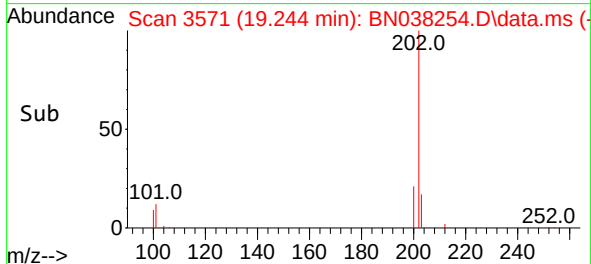
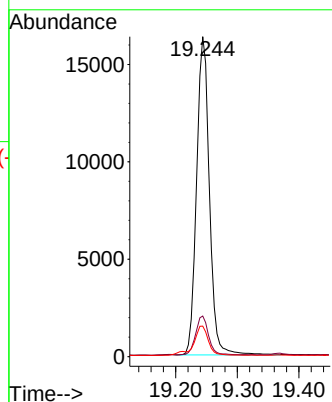
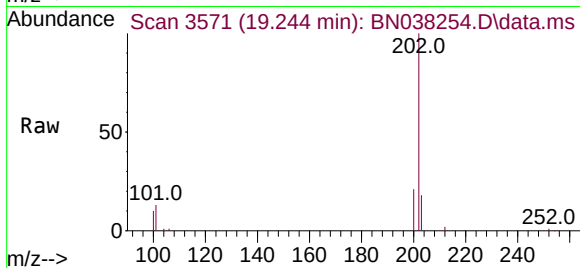
Tgt Ion:202 Resp: 23525

Ion Ratio Lower Upper

202 100

101 12.7 9.3 13.9

100 9.5 7.2 10.8



#20

Pyrene

Concen: 0.405 ng/ul

RT: 19.606 min Scan# 3649

Delta R.T. -0.006 min

Lab File: BN038254.D

Acq: 02 Dec 2025 14:36

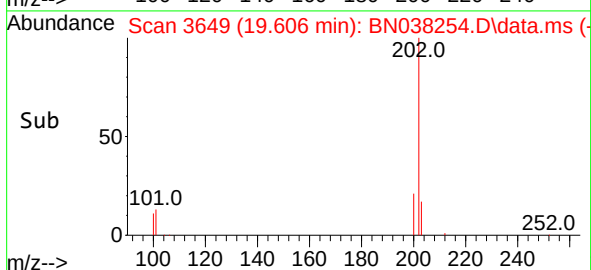
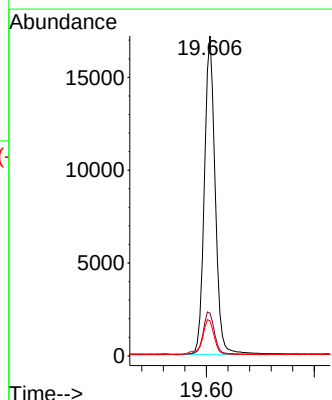
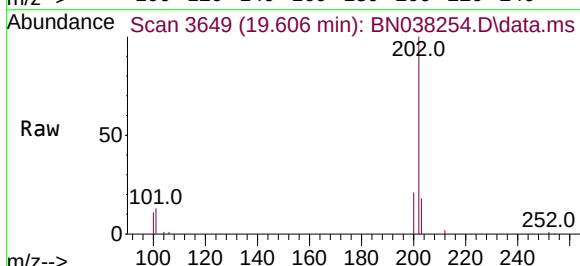
Tgt Ion:202 Resp: 23779

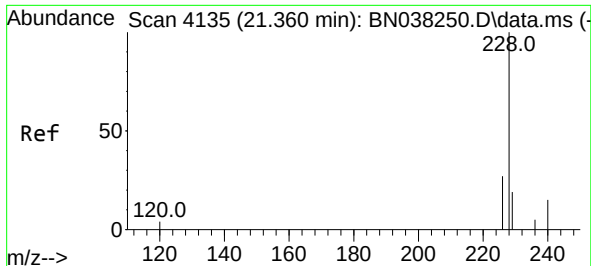
Ion Ratio Lower Upper

202 100

101 13.4 10.6 16.0

100 11.0 8.5 12.7

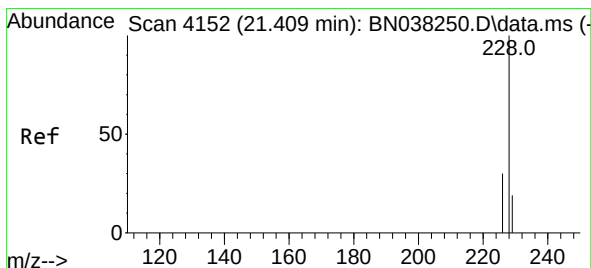
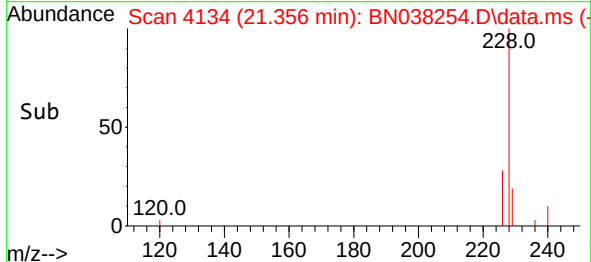
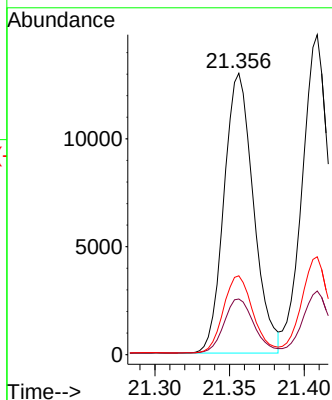
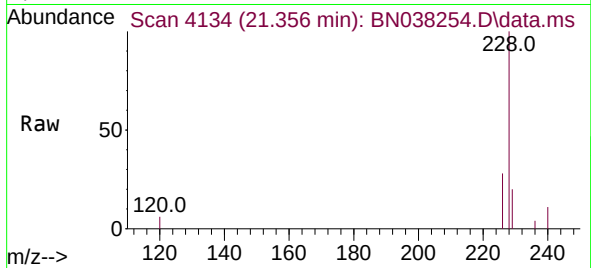




#21
Benzo(a)anthracene
Concen: 0.481 ng/ul
RT: 21.356 min Scan# 4135
Delta R.T. -0.001 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

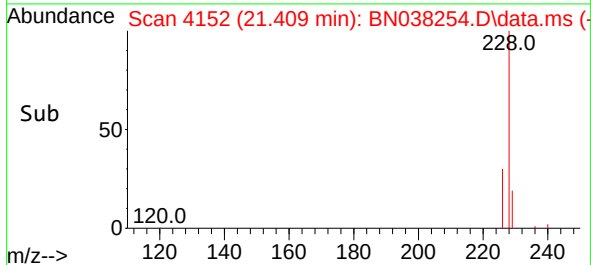
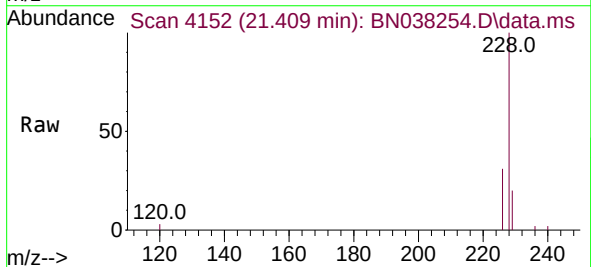
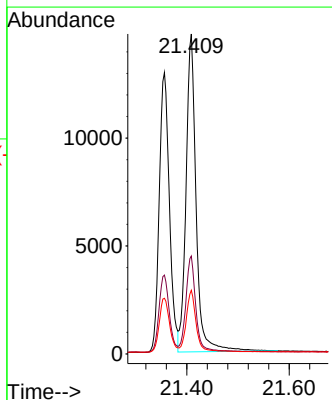
Instrument :
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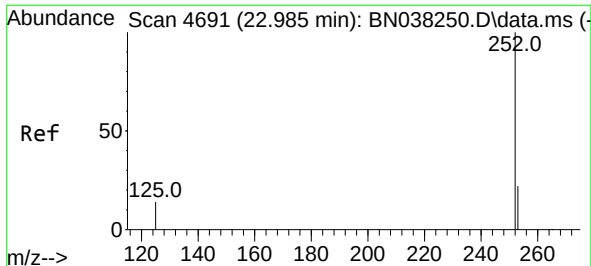
Tgt Ion:228 Resp: 17834
Ion Ratio Lower Upper
228 100
229 19.7 15.6 23.4
226 28.0 22.4 33.6



#22
Chrysene
Concen: 0.439 ng/ul
RT: 21.409 min Scan# 4152
Delta R.T. -0.001 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:228 Resp: 20201
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.4
229 19.9 15.4 23.0

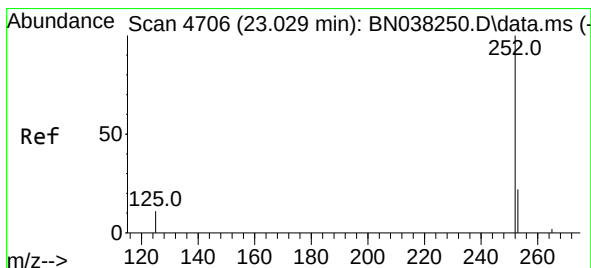
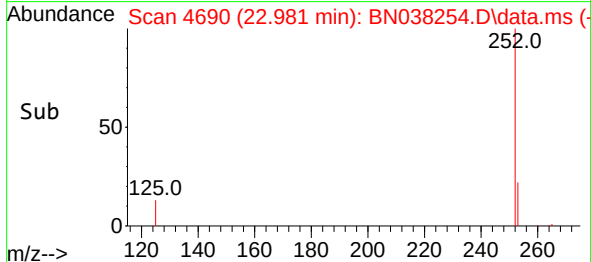
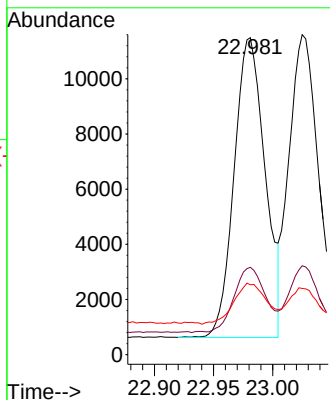
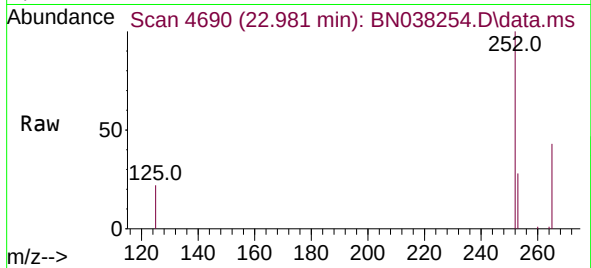




#24
Benzo(b)fluoranthene
Concen: 0.451 ng/ul
RT: 22.981 min Scan# 4690
Delta R.T. -0.001 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

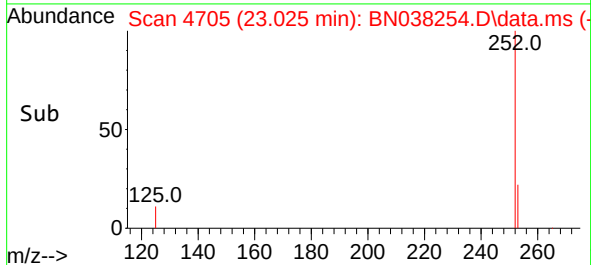
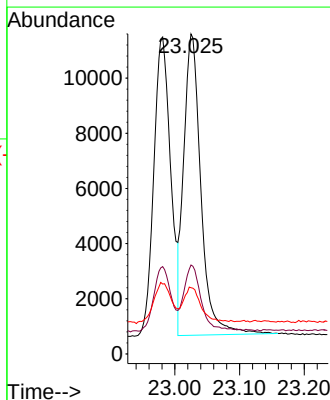
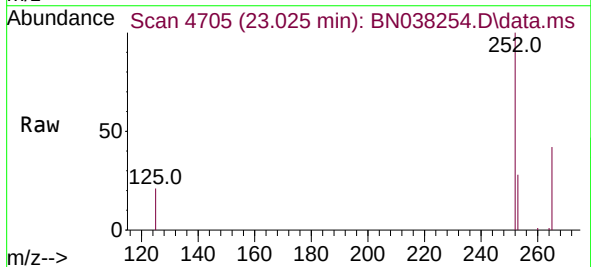
Instrument :
BNA_N
ClientSampleId :
M-31SMS

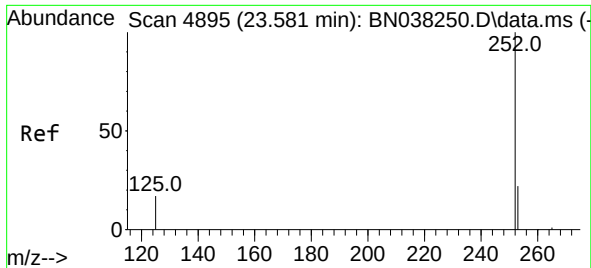
Tgt Ion:252 Resp: 19800
Ion Ratio Lower Upper
252 100
253 27.5 0.0 55.8
125 22.0 0.0 45.6



#25
Benzo(k)fluoranthene
Concen: 0.437 ng/ul
RT: 23.025 min Scan# 4705
Delta R.T. -0.004 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:252 Resp: 20182
Ion Ratio Lower Upper
252 100
253 27.8 22.9 34.3
125 20.7 17.7 26.5

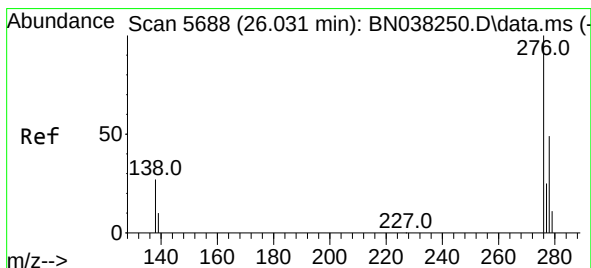
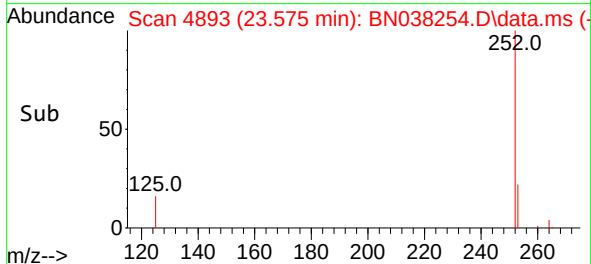
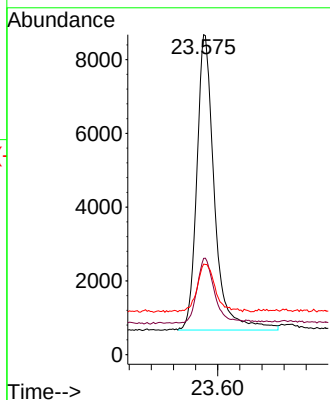
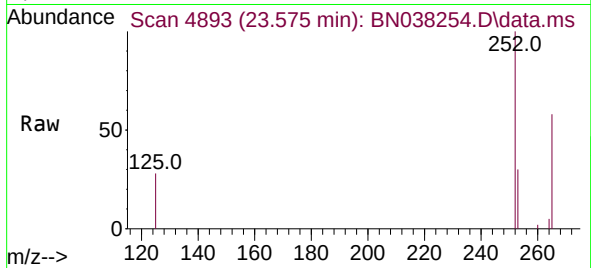




#26
Benzo(a)pyrene
Concen: 0.446 ng/ul
RT: 23.575 min Scan# 4893
Delta R.T. -0.007 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

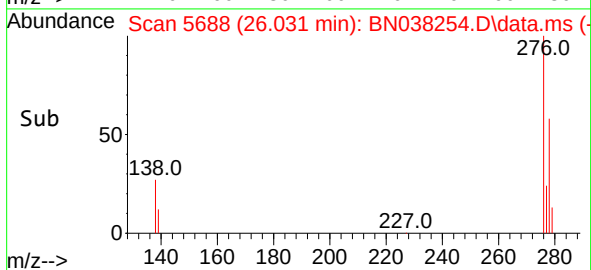
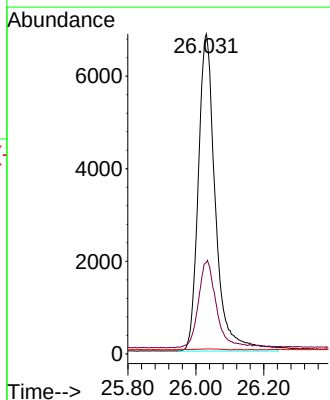
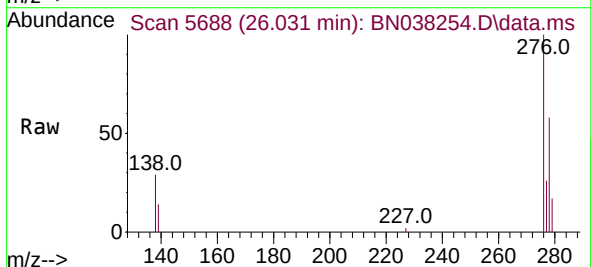
Instrument :
BNA_N
ClientSampleId :
M-31SMS

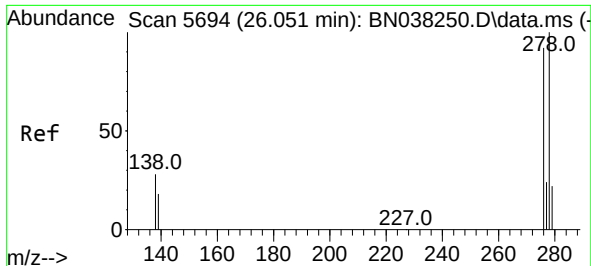
Tgt Ion:	252	Resp:	17688
Ion Ratio	Lower	Upper	
252	100		
253	30.1	25.9	38.9
125	28.3	24.6	37.0



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.509 ng/ul
RT: 26.031 min Scan# 5688
Delta R.T. -0.008 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:	276	Resp:	24007
Ion Ratio	Lower	Upper	
276	100		
138	28.1	22.9	34.3
227	0.3	0.0	0.0

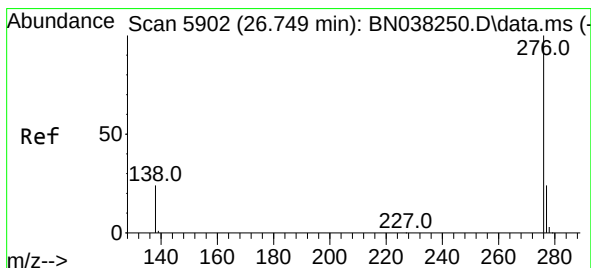
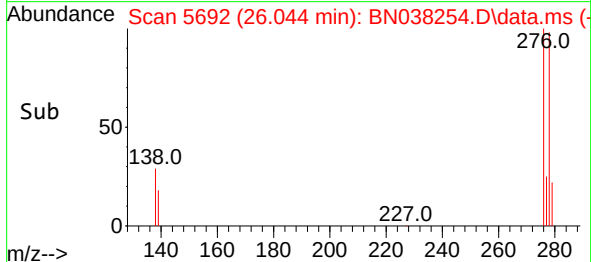
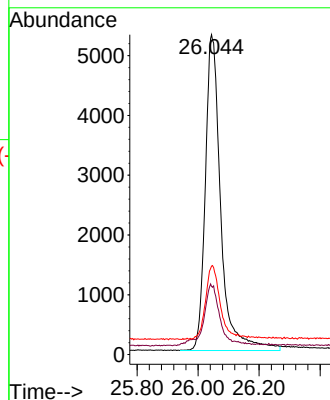
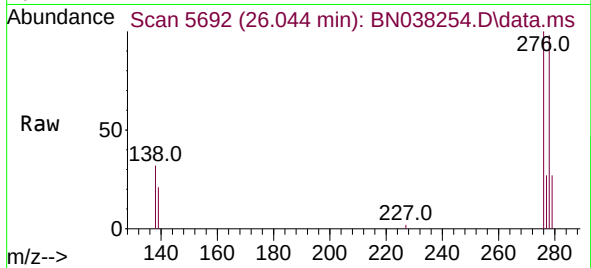




#28
 Dibenzo(a,h)anthracene
 Concen: 0.562 ng/ul
 RT: 26.044 min Scan# 5694
 Delta R.T. -0.011 min
 Lab File: BN038254.D
 Acq: 02 Dec 2025 14:36

Instrument :
 BNA_N
 ClientSampleId :
 M-31SMS

Tgt Ion:278 Resp: 18612
 Ion Ratio Lower Upper
 278 100
 139 21.3 18.1 27.1
 279 27.7 25.0 37.4



#29
 Benzo(g,h,i)perylene
 Concen: 0.457 ng/ul
 RT: 26.745 min Scan# 5901
 Delta R.T. -0.008 min
 Lab File: BN038254.D
 Acq: 02 Dec 2025 14:36

Tgt Ion:276 Resp: 20276
 Ion Ratio Lower Upper
 276 100
 138 26.0 21.6 32.4
 277 24.6 19.8 29.6

