

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN013125\
 Data File : BN036213.D
 Acq On : 01 Feb 2025 18:53
 Operator : RC/JU
 Sample : Q1248-11MSD
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A6342MSD

Quant Time: Feb 03 12:05:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 21 23:52:22 2025
 Response via : Initial Calibration

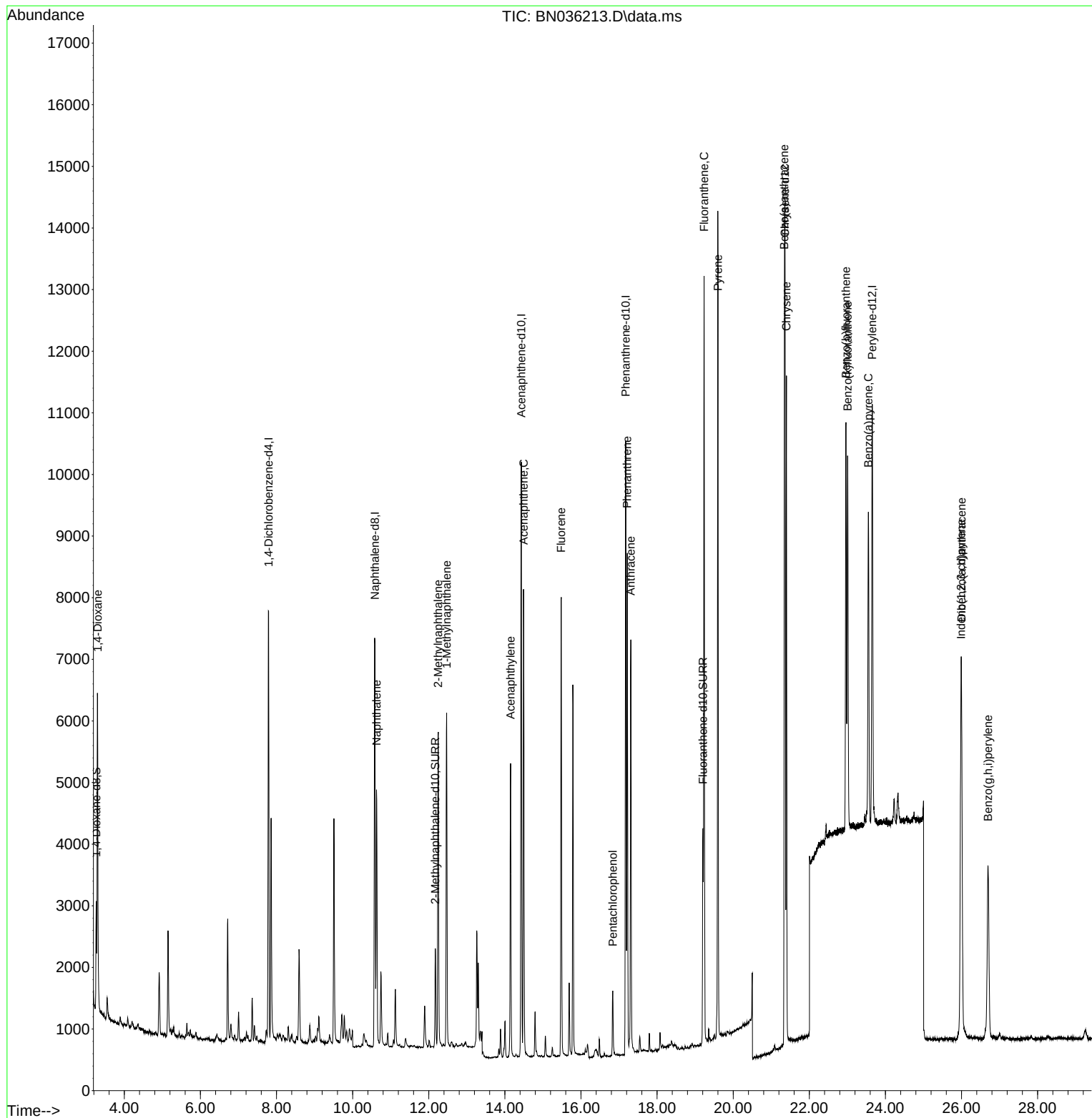
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.791	152	3465	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.583	136	8915	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.431	164	5444	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.174	188	11705	0.400	ng/ul	-0.02
17) Chrysene-d12	21.363	240	10061	0.400	ng/ul	0.00
23) Perylene-d12	23.654	264	9066	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.263	96	1100	0.290	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	12.172	152	2068	0.184	ng/ul	-0.03
18) Fluoranthene-d10	19.206	212	3907	0.141	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.297	88	3420	0.844	ng/ul	94
5) Naphthalene	10.627	128	5609	0.228	ng/ul	99
7) 2-Methylnaphthalene	12.249	142	3685	0.242	ng/ul	99
8) 1-Methylnaphthalene	12.469	142	3729	0.241	ng/ul	99
10) Acenaphthylene	14.149	152	5466	0.213	ng/ul	100
11) Acenaphthene	14.492	153	4280	0.227	ng/ul	97
12) Fluorene	15.482	166	4783	0.229	ng/ul	99
14) Pentachlorophenol	16.837	266	774	0.189	ng/ul	98
15) Phenanthrene	17.216	178	8519	0.249	ng/ul	98
16) Anthracene	17.309	178	7296	0.229	ng/ul	99
19) Fluoranthene	19.234	202	10363	0.271	ng/ul	96
20) Pyrene	19.596	202	10873	0.272	ng/ul#	95
21) Benzo(a)anthracene	21.345	228	8980	0.250	ng/ul	99
22) Chrysene	21.398	228	8970	0.244	ng/ul	99
24) Benzo(b)fluoranthene	22.962	252	8087	0.267	ng/ul	83
25) Benzo(k)fluoranthene	23.005	252	7792	0.245	ng/ul#	84
26) Benzo(a)pyrene	23.552	252	6876	0.252	ng/ul#	77
27) Indeno(1,2,3-cd)pyrene	25.985	276	7910	0.219	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.998	278	6231	0.224	ng/ul	93
29) Benzo(g,h,i)perylene	26.696	276	6163	0.220	ng/ul	95

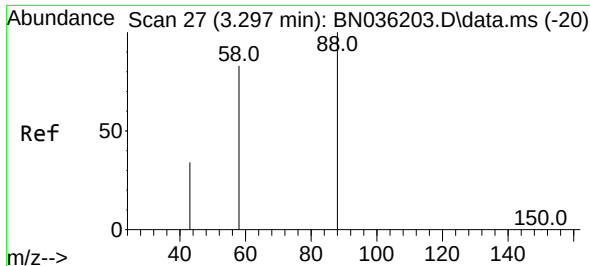
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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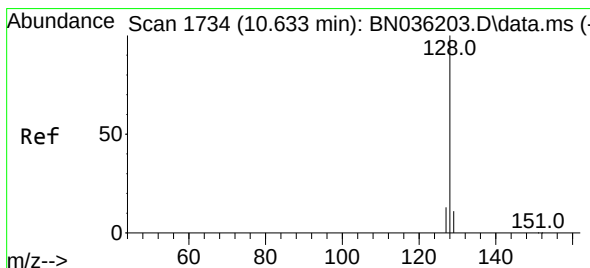
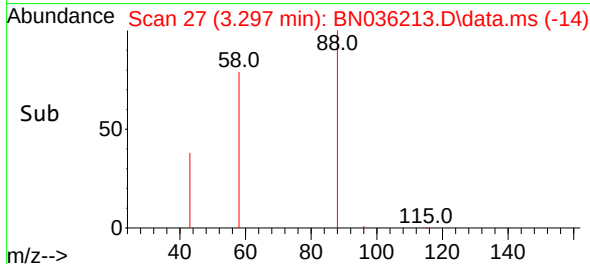
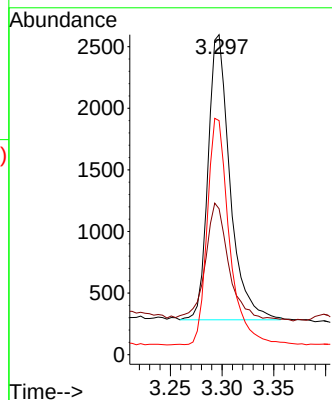
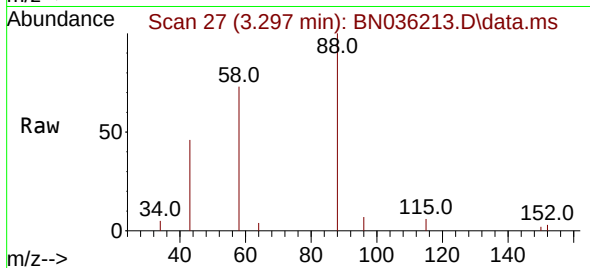




#2
 1,4-Dioxane
 Concen: 0.844 ng/ul
 RT: 3.297 min Scan# 21
 Delta R.T. -0.017 min
 Lab File: BN036213.D
 Acq: 01 Feb 2025 18:53

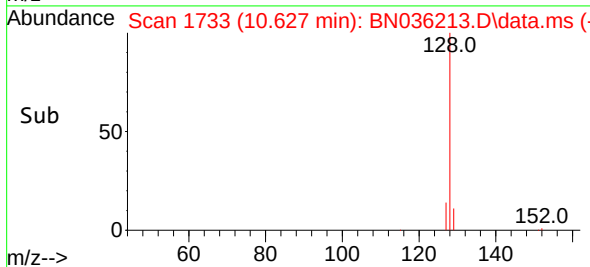
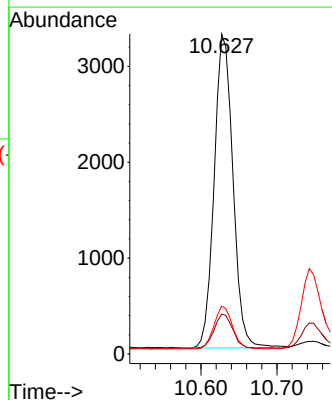
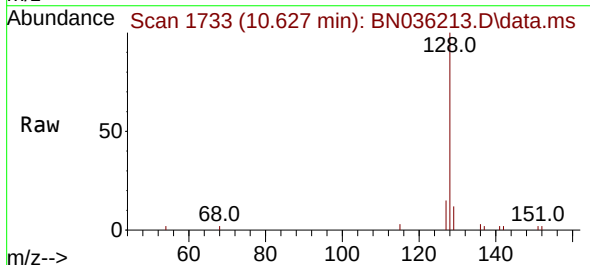
Instrument :
 BNA_N
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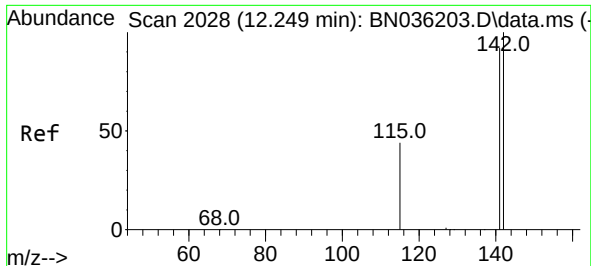
Tgt Ion: 88 Resp: 3420
 Ion Ratio Lower Upper
 88 100
 43 45.6 40.7 61.1
 58 73.2 55.2 82.8



#5
 Naphthalene
 Concen: 0.228 ng/ul
 RT: 10.627 min Scan# 1733
 Delta R.T. -0.027 min
 Lab File: BN036213.D
 Acq: 01 Feb 2025 18:53

Tgt Ion: 128 Resp: 5609
 Ion Ratio Lower Upper
 128 100
 129 12.4 9.6 14.4
 127 15.0 12.0 18.0

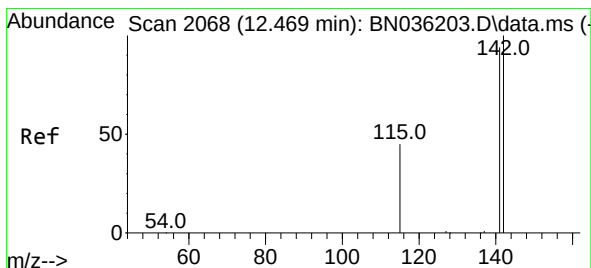
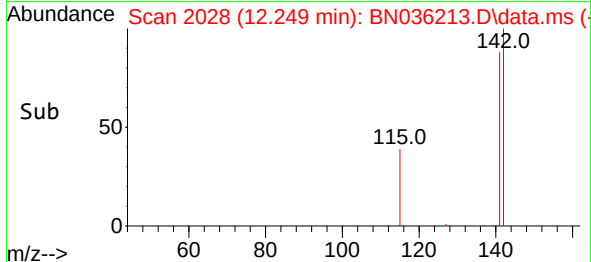
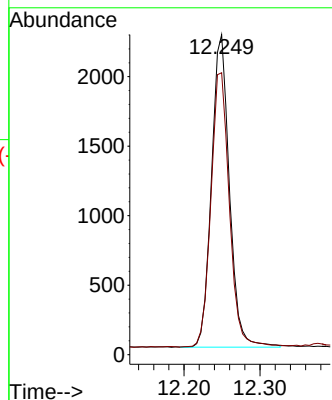
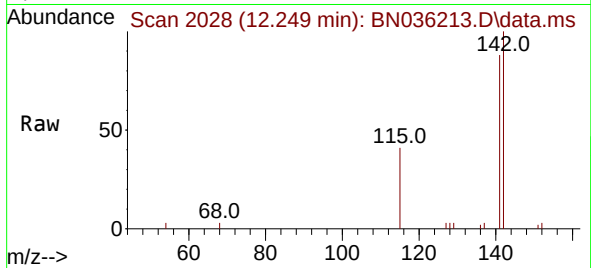




#7
2-Methylnaphthalene
Concen: 0.242 ng/ul
RT: 12.249 min Scan# 2028
Delta R.T. -0.022 min
Lab File: BN036213.D
Acq: 01 Feb 2025 18:53

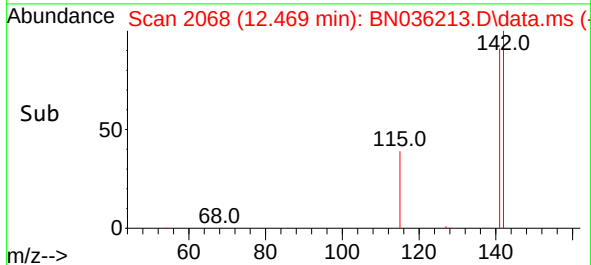
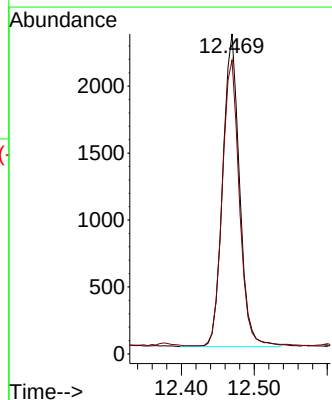
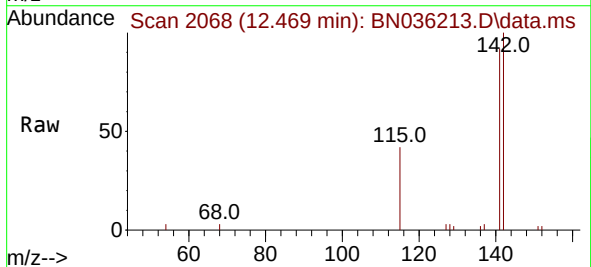
Instrument :
BNA_N
ClientSampleId :
A6342MSD

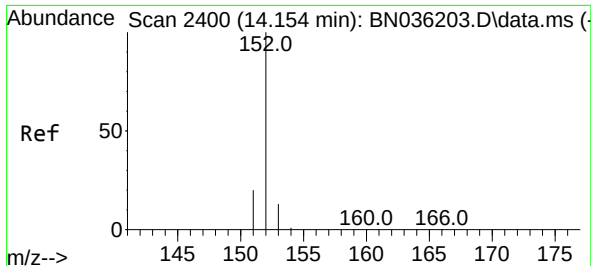
Tgt Ion:142 Resp: 3685
Ion Ratio Lower Upper
142 100
141 90.7 71.9 107.9



#8
1-Methylnaphthalene
Concen: 0.241 ng/ul
RT: 12.469 min Scan# 2068
Delta R.T. -0.022 min
Lab File: BN036213.D
Acq: 01 Feb 2025 18:53

Tgt Ion:142 Resp: 3729
Ion Ratio Lower Upper
142 100
141 92.8 75.2 112.8

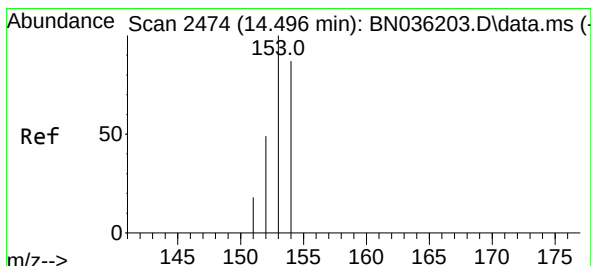
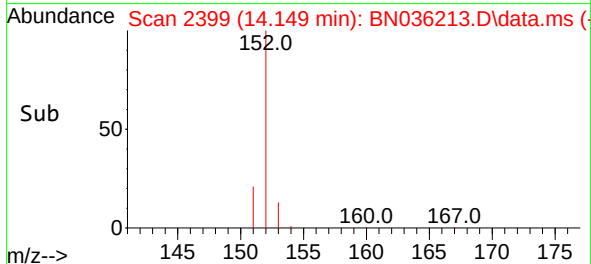
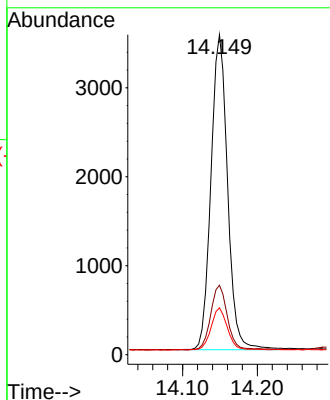
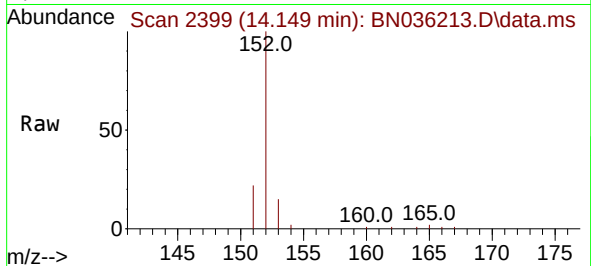




#10
Acenaphthylene
Concen: 0.213 ng/ul
RT: 14.149 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN036213.D
Acq: 01 Feb 2025 18:53

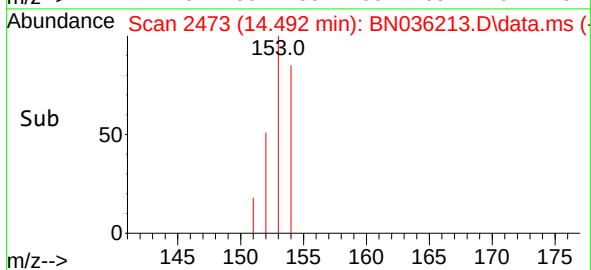
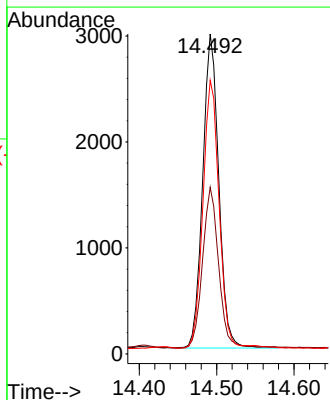
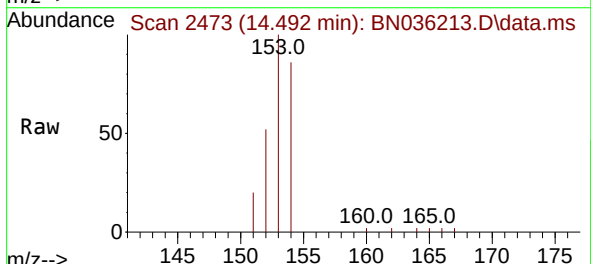
Instrument :
BNA_N
ClientSampleId :
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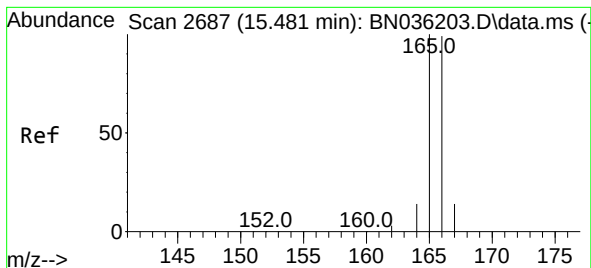
Tgt Ion:	152	Resp:	5466
Ion Ratio	Lower	Upper	
152	100		
151	21.7	17.4	26.2
153	14.7	11.9	17.9



#11
Acenaphthene
Concen: 0.227 ng/ul
RT: 14.492 min Scan# 2473
Delta R.T. -0.023 min
Lab File: BN036213.D
Acq: 01 Feb 2025 18:53

Tgt Ion:	153	Resp:	4280
Ion Ratio	Lower	Upper	
153	100		
152	52.1	43.2	64.8
154	85.5	70.5	105.7





#12

Fluorene

Concen: 0.229 ng/ul

RT: 15.482 min Scan# 2687

Delta R.T. -0.019 min

Lab File: BN036213.D

Acq: 01 Feb 2025 18:53

Instrument :

BNA_N

ClientSampleId :

A6342MSD

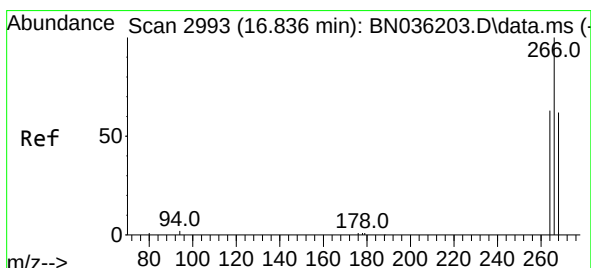
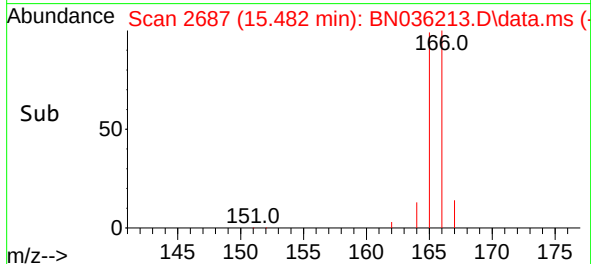
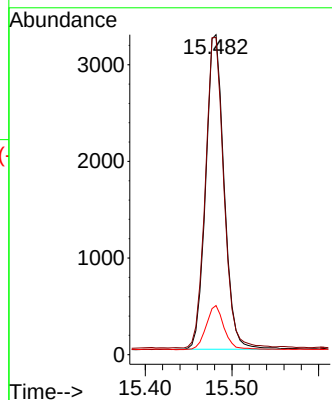
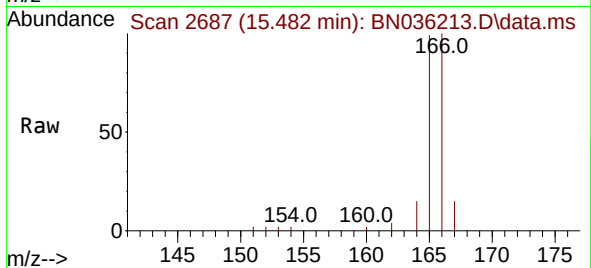
Tgt Ion:166 Resp: 4783

Ion Ratio Lower Upper

166 100

165 99.1 80.3 120.5

167 15.3 12.3 18.5



#14

Pentachlorophenol

Concen: 0.189 ng/ul

RT: 16.837 min Scan# 2993

Delta R.T. -0.004 min

Lab File: BN036213.D

Acq: 01 Feb 2025 18:53

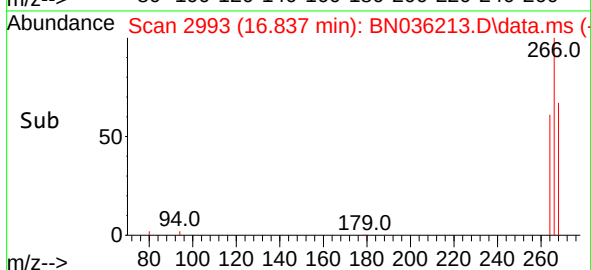
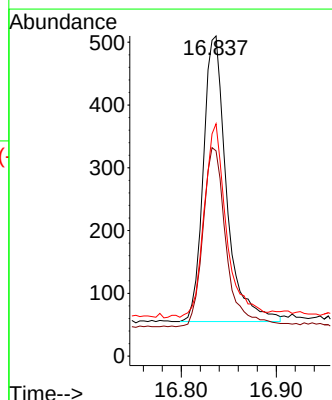
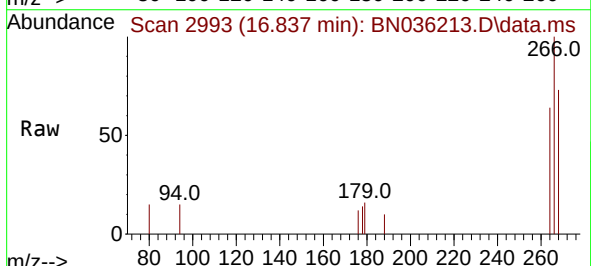
Tgt Ion:266 Resp: 774

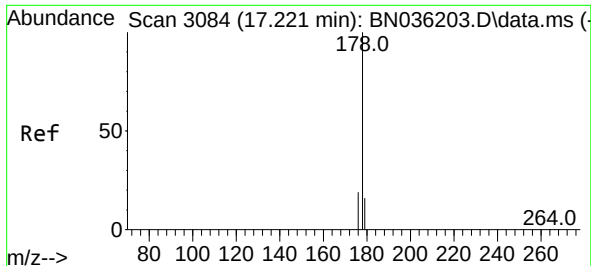
Ion Ratio Lower Upper

266 100

264 62.8 50.6 75.8

268 65.9 50.6 75.8

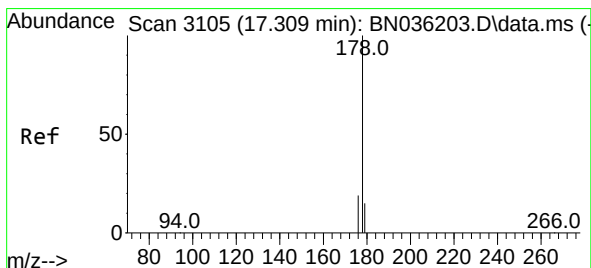
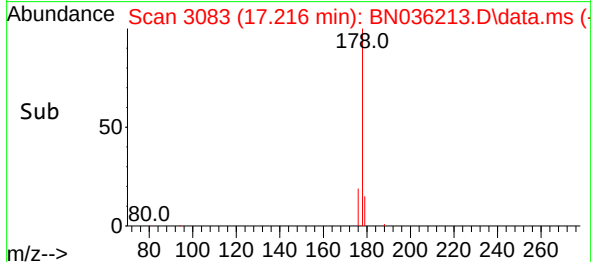
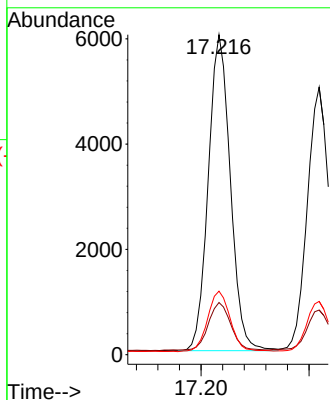
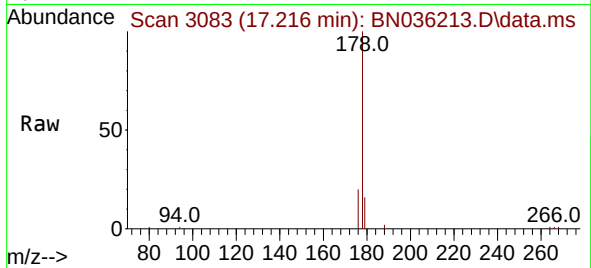




#15
Phenanthrene
Concen: 0.249 ng/ul
RT: 17.216 min Scan# 3083
Delta R.T. -0.017 min
Lab File: BN036213.D
Acq: 01 Feb 2025 18:53

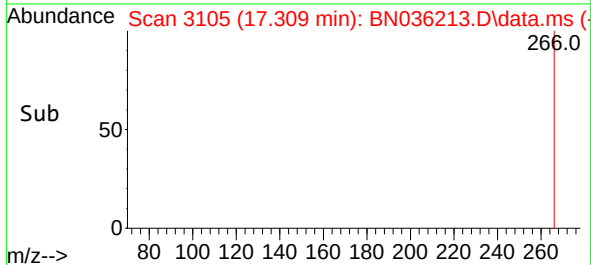
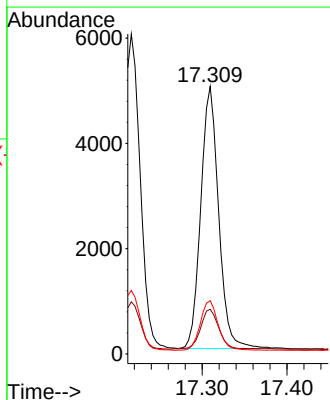
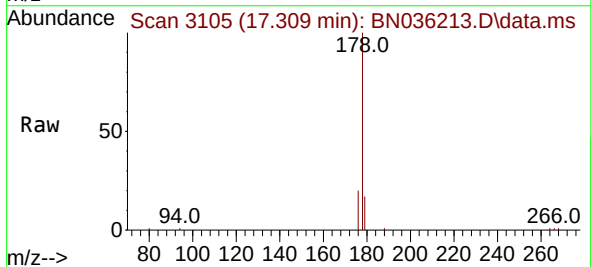
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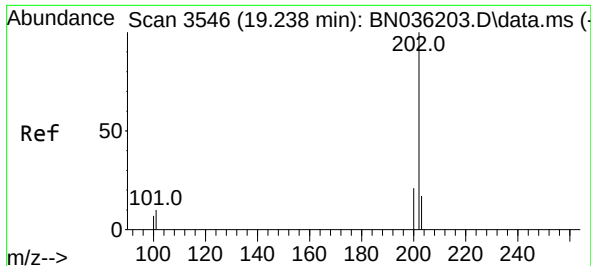
Tgt Ion:	178	Resp:	8519
Ion Ratio	Lower	Upper	
178	100		
179	16.3	13.2	19.8
176	19.9	16.8	25.2



#16
Anthracene
Concen: 0.229 ng/ul
RT: 17.309 min Scan# 3105
Delta R.T. -0.013 min
Lab File: BN036213.D
Acq: 01 Feb 2025 18:53

Tgt Ion:	178	Resp:	7296
Ion Ratio	Lower	Upper	
178	100		
179	16.7	13.0	19.4
176	20.0	15.9	23.9

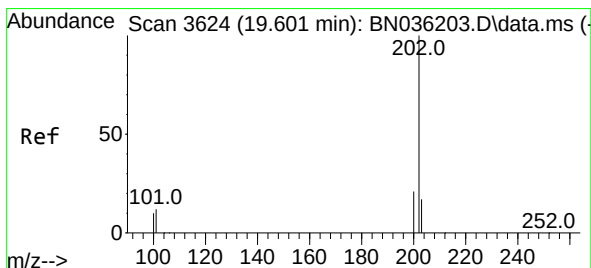
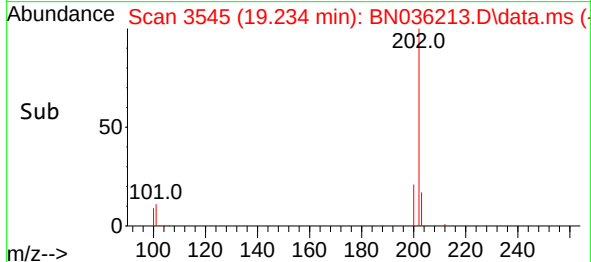
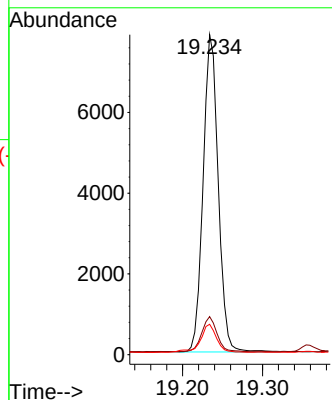
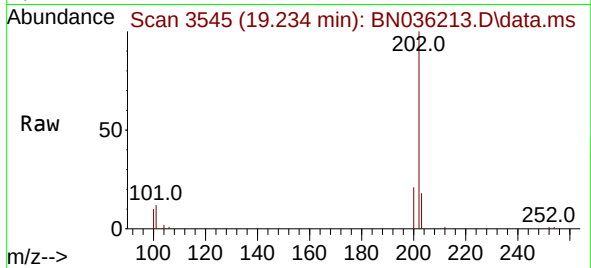




#19
Fluoranthene
Concen: 0.271 ng/ul
RT: 19.234 min Scan# 3545
Delta R.T. -0.014 min
Lab File: BN036213.D
Acq: 01 Feb 2025 18:53

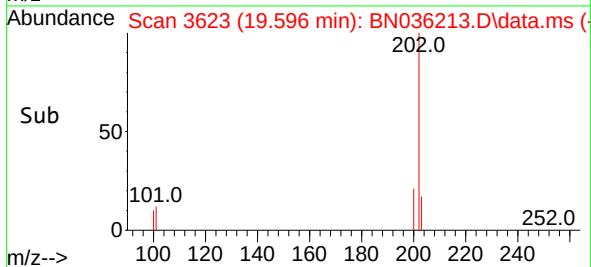
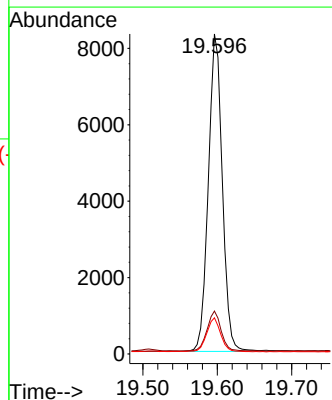
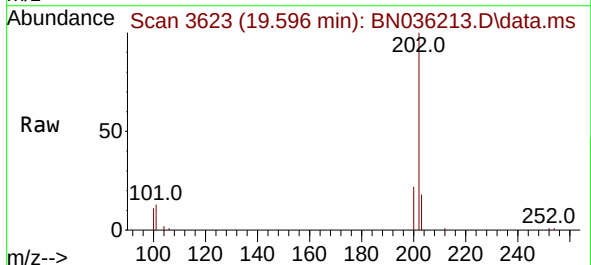
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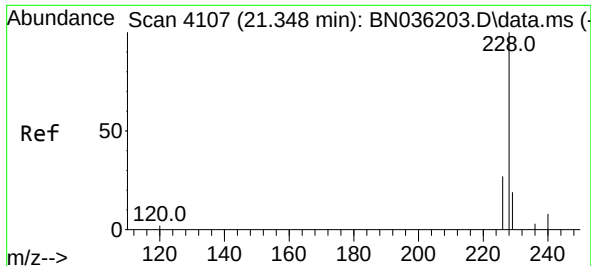
Tgt Ion:202 Resp: 10363
Ion Ratio Lower Upper
202 100
101 11.9 8.4 12.6
100 9.5 6.5 9.7



#20
Pyrene
Concen: 0.272 ng/ul
RT: 19.596 min Scan# 3623
Delta R.T. -0.014 min
Lab File: BN036213.D
Acq: 01 Feb 2025 18:53

Tgt Ion:202 Resp: 10873
Ion Ratio Lower Upper
202 100
101 13.4 9.3 13.9
100 11.3 7.5 11.3#

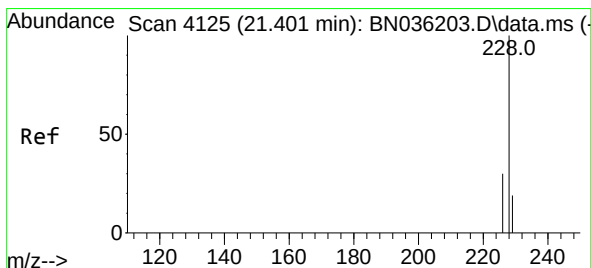
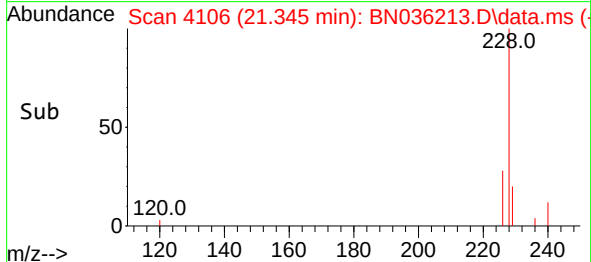
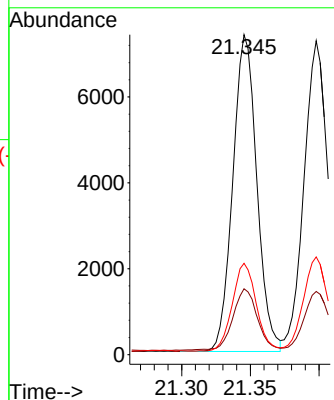
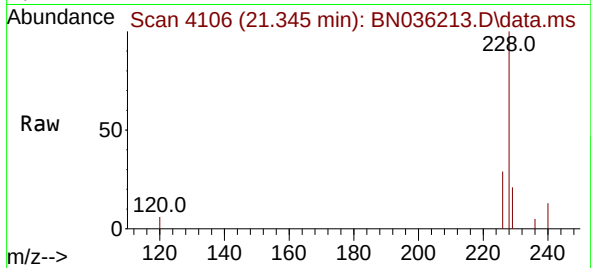




#21
Benzo(a)anthracene
Concen: 0.250 ng/ul
RT: 21.345 min Scan# 4106
Delta R.T. -0.008 min
Lab File: BN036213.D
Acq: 01 Feb 2025 18:53

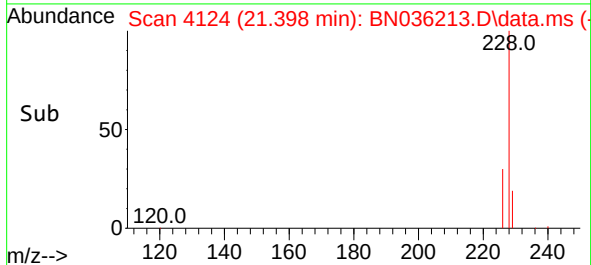
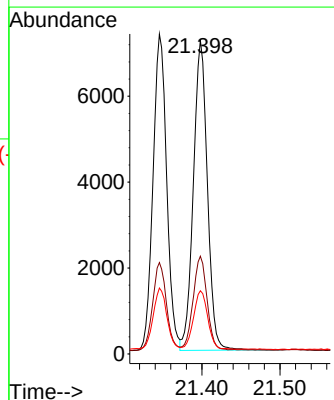
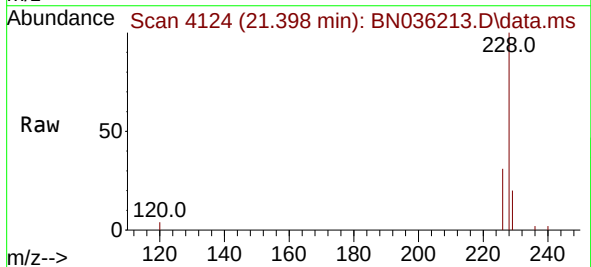
Instrument :
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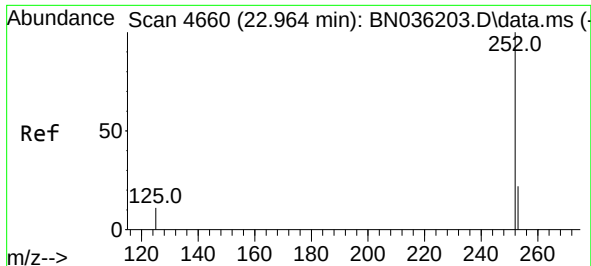
Tgt Ion:228 Resp: 8980
Ion Ratio Lower Upper
228 100
229 20.6 15.9 23.9
226 28.6 22.8 34.2



#22
Chrysene
Concen: 0.244 ng/ul
RT: 21.398 min Scan# 4124
Delta R.T. -0.008 min
Lab File: BN036213.D
Acq: 01 Feb 2025 18:53

Tgt Ion:228 Resp: 8970
Ion Ratio Lower Upper
228 100
226 31.1 24.4 36.6
229 20.1 15.9 23.9

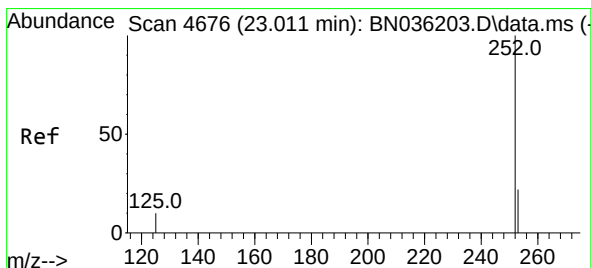
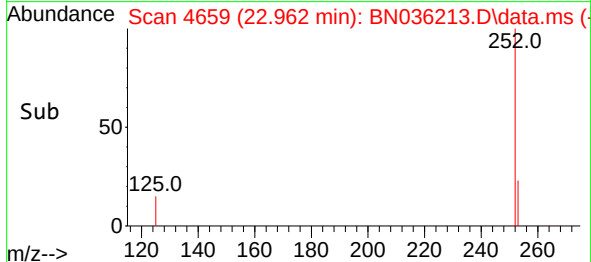
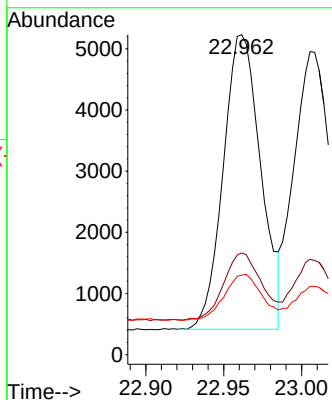
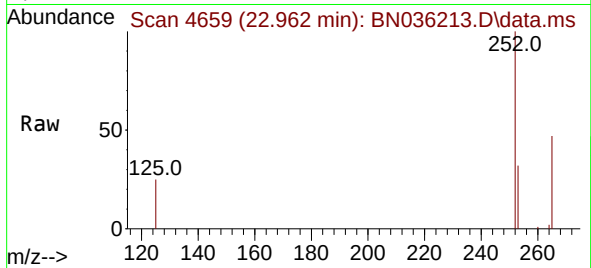




#24
Benzo(b)fluoranthene
Concen: 0.267 ng/ul
RT: 22.962 min Scan# 4659
Delta R.T. -0.011 min
Lab File: BN036213.D
Acq: 01 Feb 2025 18:53

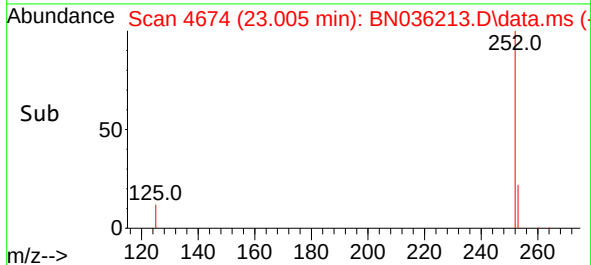
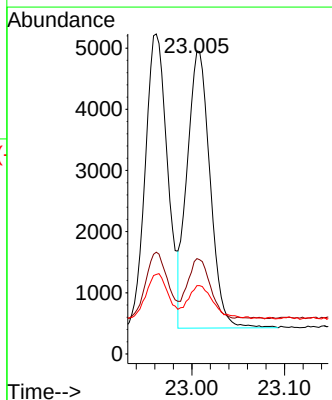
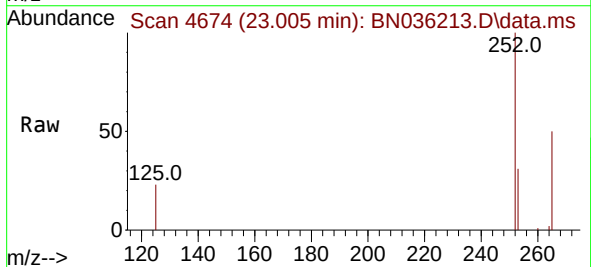
Instrument :
BNA_N
ClientSampleId :
A6342MSD

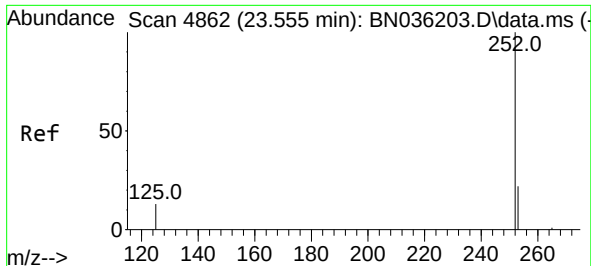
Tgt Ion:252 Resp: 8087
Ion Ratio Lower Upper
252 100
253 31.8 0.0 51.2
125 24.8 0.0 27.8



#25
Benzo(k)fluoranthene
Concen: 0.245 ng/ul
RT: 23.005 min Scan# 4674
Delta R.T. -0.014 min
Lab File: BN036213.D
Acq: 01 Feb 2025 18:53

Tgt Ion:252 Resp: 7792
Ion Ratio Lower Upper
252 100
253 31.5 20.2 30.4#
125 22.6 10.6 16.0#

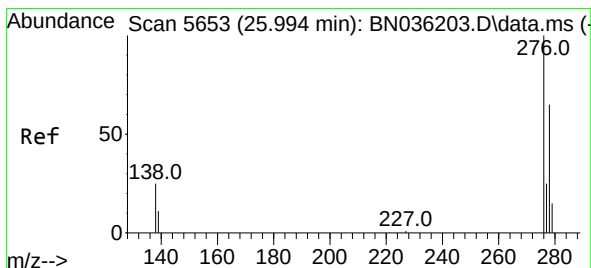
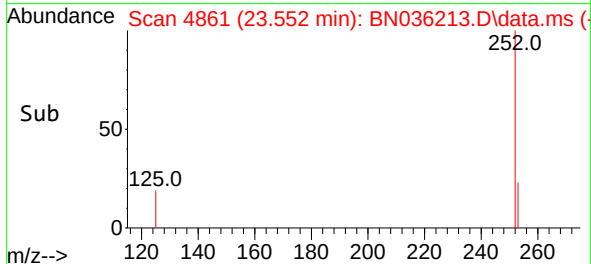
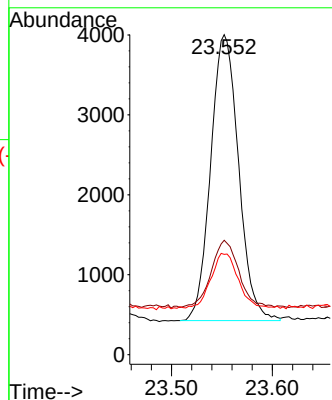
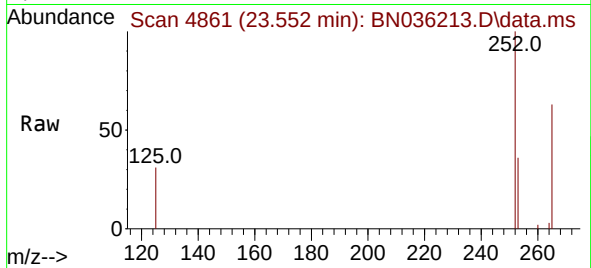




#26
Benzo(a)pyrene
Concen: 0.252 ng/ul
RT: 23.552 min Scan# 4861
Delta R.T. -0.011 min
Lab File: BN036213.D
Acq: 01 Feb 2025 18:53

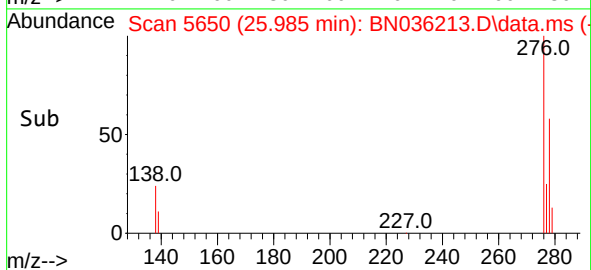
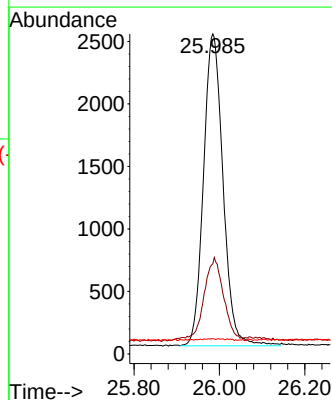
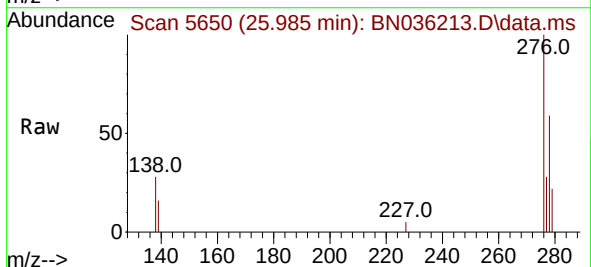
Instrument :
BNA_N
ClientSampleId :
A6342MSD

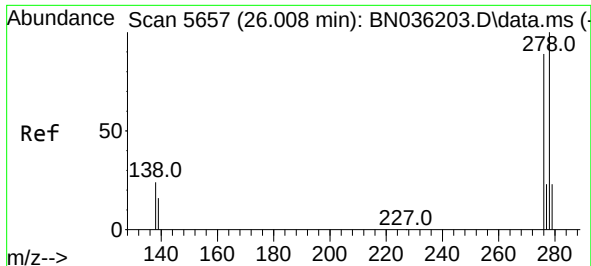
Tgt Ion:252 Resp: 6876
Ion Ratio Lower Upper
252 100
253 35.8 22.2 33.4#
125 31.4 13.1 19.7#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.219 ng/ul
RT: 25.985 min Scan# 5650
Delta R.T. -0.020 min
Lab File: BN036213.D
Acq: 01 Feb 2025 18:53

Tgt Ion:276 Resp: 7910
Ion Ratio Lower Upper
276 100
138 27.5 20.2 30.4
227 0.4 0.1 0.1#

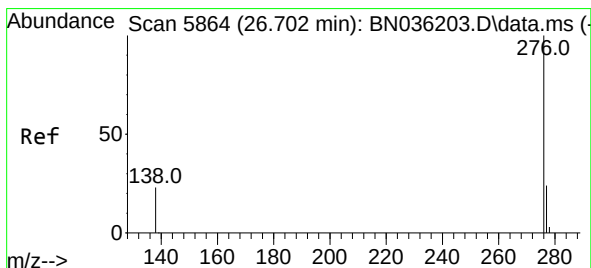
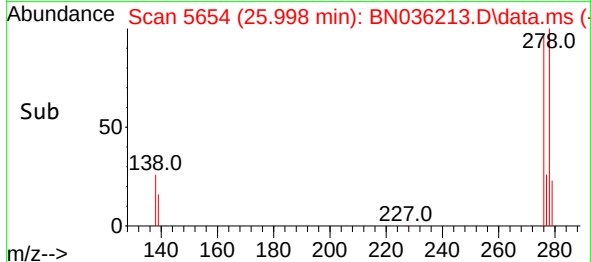
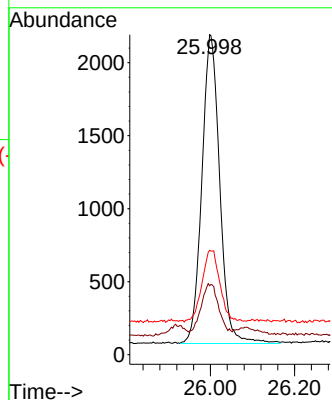
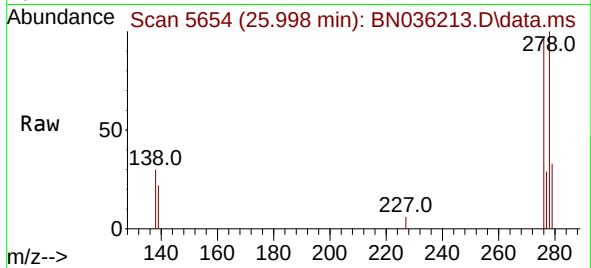




#28
Dibenzo(a,h)anthracene
Concen: 0.224 ng/ul
RT: 25.998 min Scan# 5654
Delta R.T. -0.023 min
Lab File: BN036213.D
Acq: 01 Feb 2025 18:53

Instrument :
BNA_N
ClientSampleId :
A6342MSD

Tgt Ion:278 Resp: 6231
Ion Ratio Lower Upper
278 100
139 21.5 15.4 23.2
279 32.6 22.2 33.4



#29
Benzo(g,h,i)perylene
Concen: 0.220 ng/ul
RT: 26.696 min Scan# 5862
Delta R.T. -0.023 min
Lab File: BN036213.D
Acq: 01 Feb 2025 18:53

Tgt Ion:276 Resp: 6163
Ion Ratio Lower Upper
276 100
138 28.2 19.4 29.0
277 27.7 21.1 31.7

