

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
 Data File : BN036043.D
 Acq On : 27 Jan 2025 19:01
 Operator : RC/JU
 Sample : Q1174-16MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E2944MSD

Quant Time: Jan 28 00:08:37 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

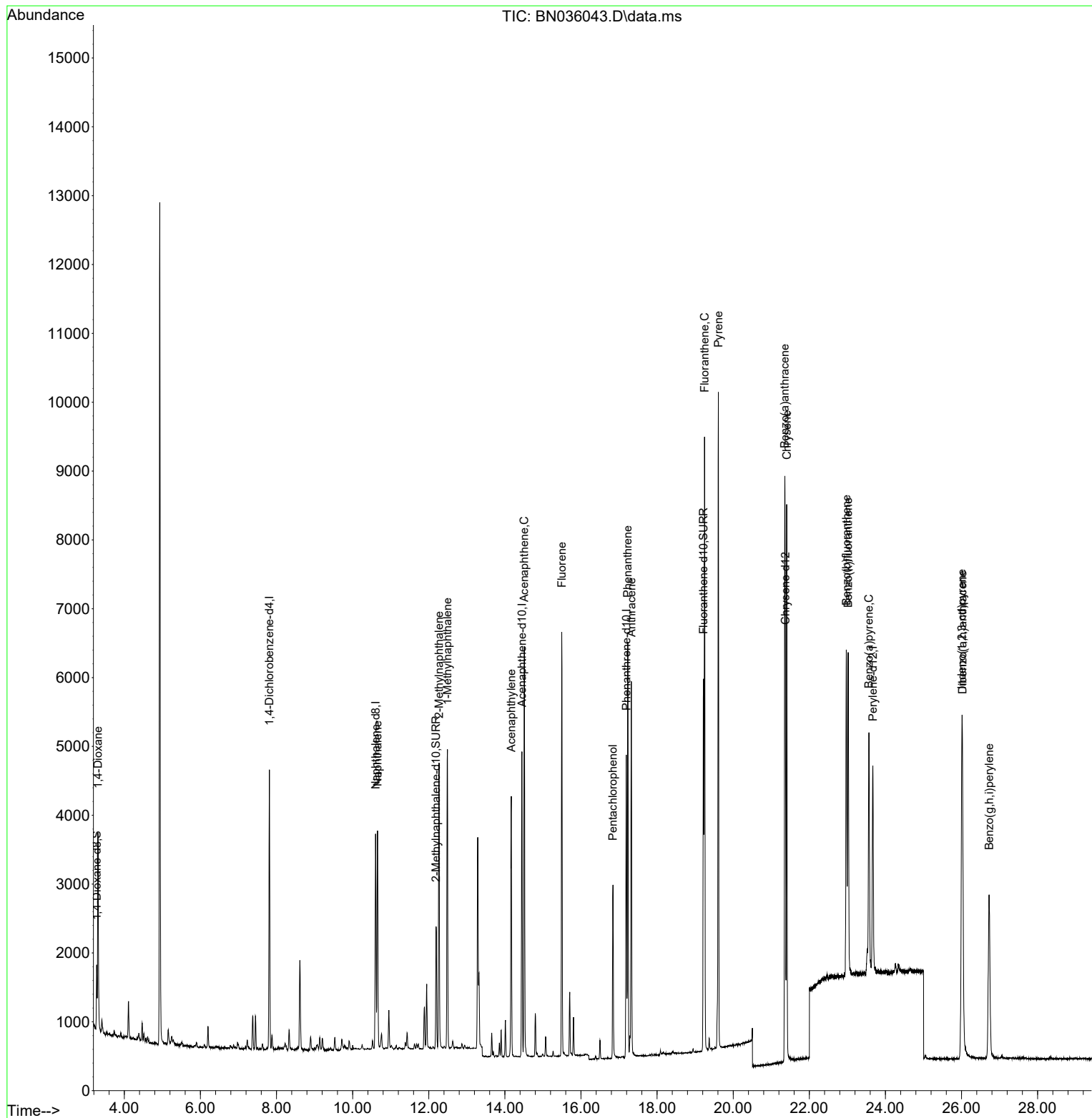
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	1954	0.400	ng/ul	0.00
4) Naphthalene-d8	10.604	136	4118	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.449	164	2360	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.191	188	5130	0.400	ng/ul	0.00
17) Chrysene-d12	21.371	240	4134	0.400	ng/ul	0.00
23) Perylene-d12	23.669	264	3976	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.276	96	620	0.290	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.193	152	2191	0.421	ng/ul	0.00
18) Fluoranthene-d10	19.219	212	5931	0.522	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.305	88	1825	0.799	ng/ul	93
5) Naphthalene	10.653	128	4235	0.373	ng/ul	98
7) 2-Methylnaphthalene	12.270	142	2705	0.384	ng/ul	99
8) 1-Methylnaphthalene	12.490	142	2785	0.389	ng/ul	99
10) Acenaphthylene	14.167	152	4169	0.375	ng/ul	100
11) Acenaphthene	14.509	153	3180	0.388	ng/ul	98
12) Fluorene	15.495	166	3640	0.403	ng/ul	99
14) Pentachlorophenol	16.841	266	1601	0.891	ng/ul	99
15) Phenanthrene	17.229	178	6192	0.412	ng/ul	100
16) Anthracene	17.322	178	5647	0.404	ng/ul	99
19) Fluoranthene	19.247	202	7329	0.466	ng/ul	100
20) Pyrene	19.610	202	7747	0.472	ng/ul	98
21) Benzo(a)anthracene	21.354	228	6480	0.439	ng/ul	100
22) Chrysene	21.406	228	6668	0.442	ng/ul	99
24) Benzo(b)fluoranthene	22.973	252	6117	0.461	ng/ul	97
25) Benzo(k)fluoranthene	23.019	252	6263	0.449	ng/ul	96
26) Benzo(a)pyrene	23.566	252	5246	0.438	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.007	276	6660	0.420	ng/ul	98
28) Dibenzo(a,h)anthracene	26.024	278	5103	0.418	ng/ul	98
29) Benzo(g,h,i)perylene	26.725	276	5231	0.425	ng/ul	98

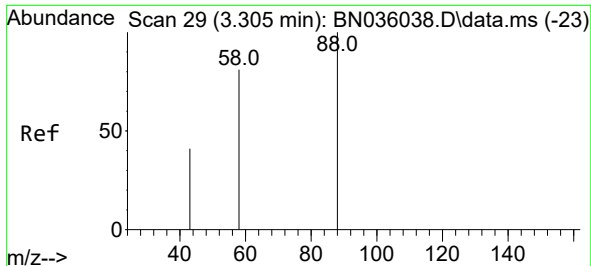
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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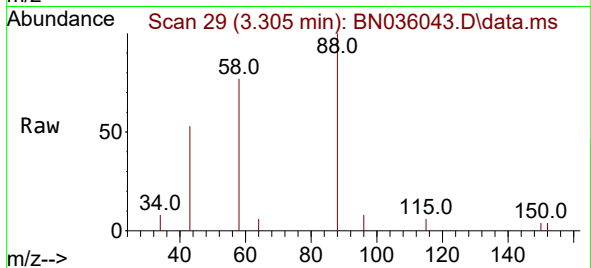
Quant Time: Jan 28 00:08:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 21 23:52:22 2025
Response via : Initial Calibration



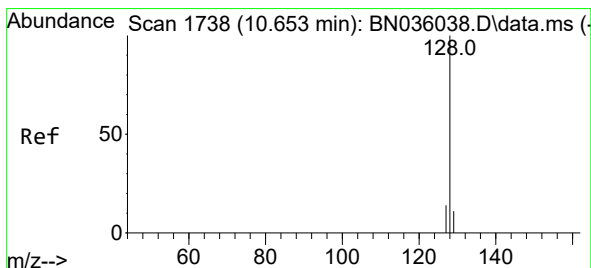
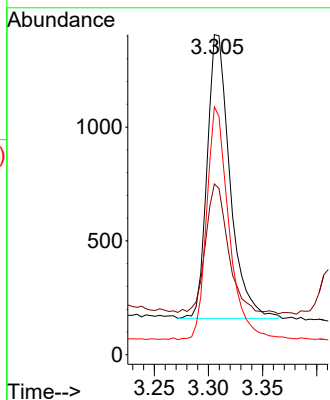
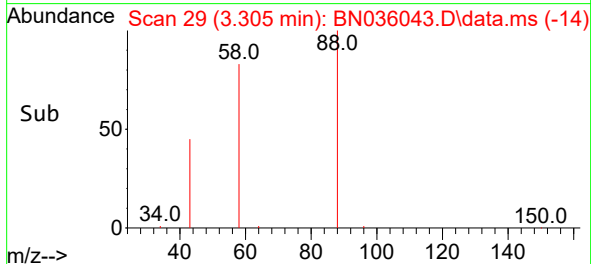


#2
1,4-Dioxane
Concen: 0.799 ng/ul
RT: 3.305 min Scan# 29
Delta R.T. -0.009 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Instrument :
BNA_N
ClientSampleId :
E2944MSD

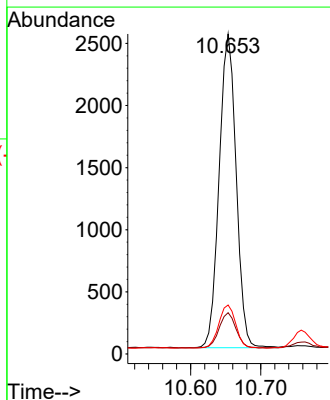
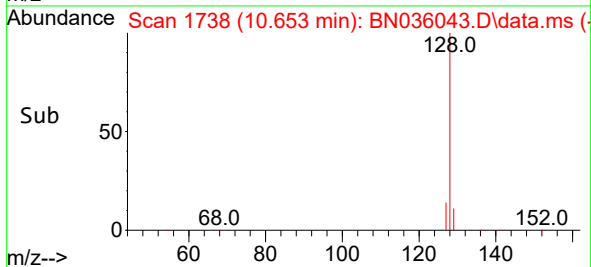
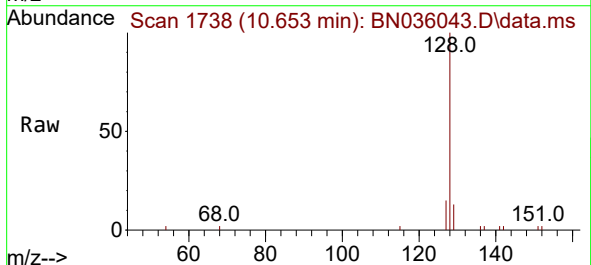


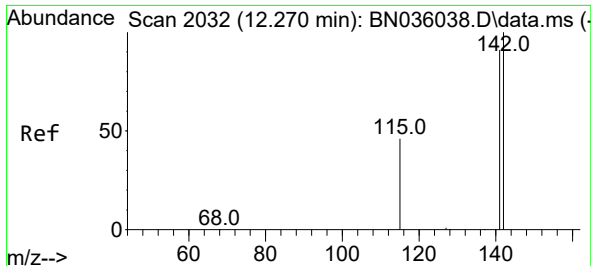
Tgt Ion: 88 Resp: 1825
Ion Ratio Lower Upper
88 100
43 53.3 40.7 61.1
58 77.5 55.2 82.8



#5
Naphthalene
Concen: 0.373 ng/ul
RT: 10.653 min Scan# 1738
Delta R.T. -0.001 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Tgt Ion:128 Resp: 4235
Ion Ratio Lower Upper
128 100
129 12.9 9.6 14.4
127 15.3 12.0 18.0

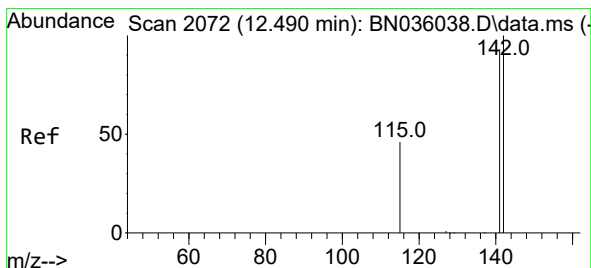
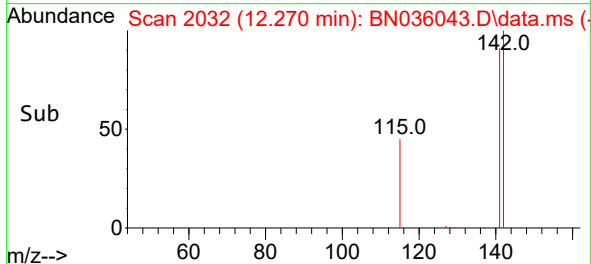
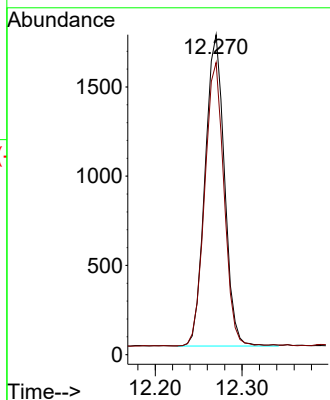
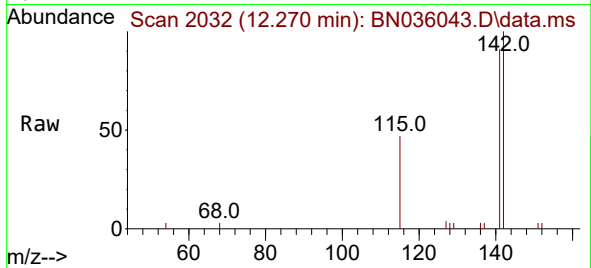




#7
2-Methylnaphthalene
Concen: 0.384 ng/ul
RT: 12.270 min Scan# 2032
Delta R.T. -0.001 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

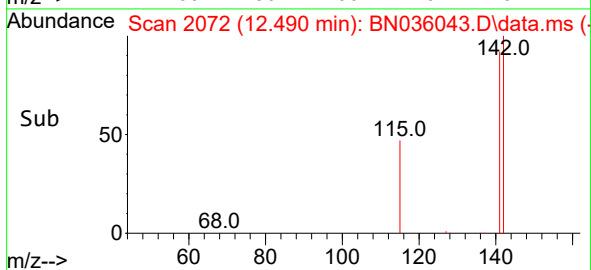
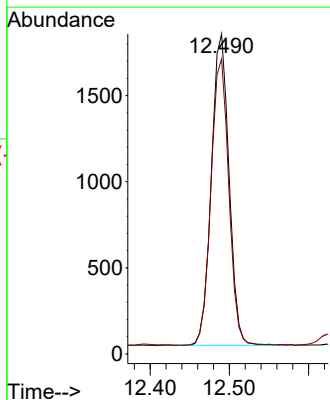
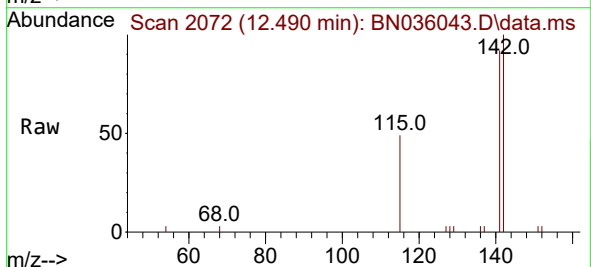
Instrument :
BNA_N
ClientSampleId :
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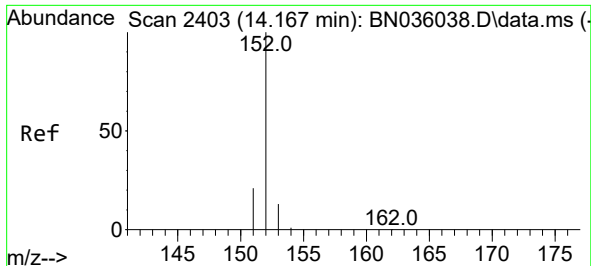
Tgt Ion:142 Resp: 2705
Ion Ratio Lower Upper
142 100
141 90.6 71.9 107.9



#8
1-Methylnaphthalene
Concen: 0.389 ng/ul
RT: 12.490 min Scan# 2072
Delta R.T. -0.001 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Tgt Ion:142 Resp: 2785
Ion Ratio Lower Upper
142 100
141 93.2 75.2 112.8

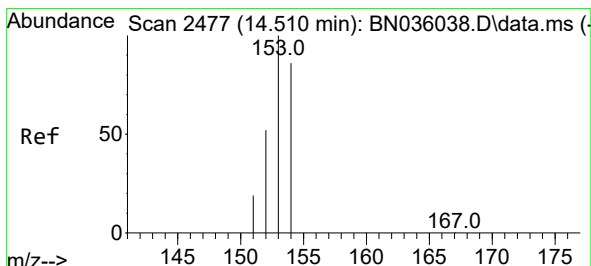
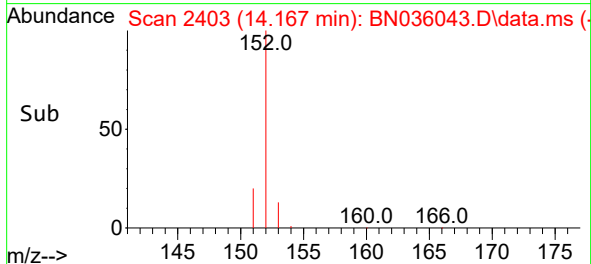
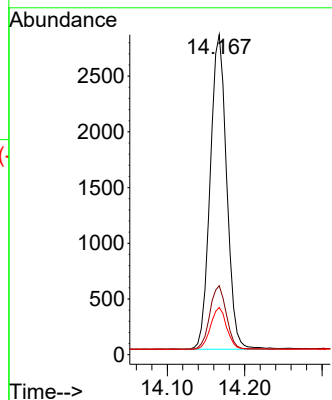
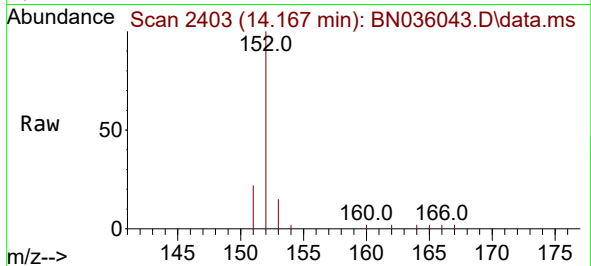




#10
Acenaphthylene
Concen: 0.375 ng/ul
RT: 14.167 min Scan# 2403
Delta R.T. -0.001 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

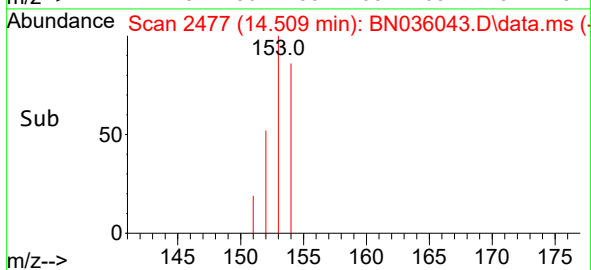
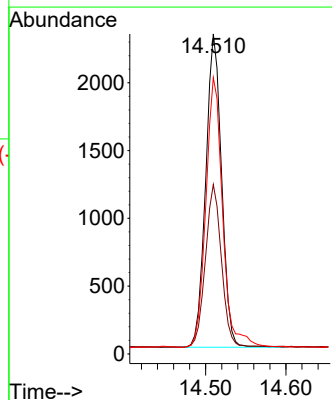
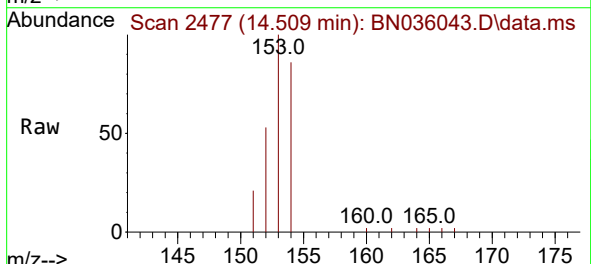
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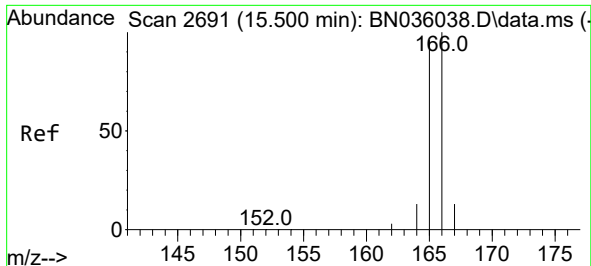
Tgt Ion:152 Resp: 4169
Ion Ratio Lower Upper
152 100
151 21.6 17.4 26.2
153 14.8 11.9 17.9



#11
Acenaphthene
Concen: 0.388 ng/ul
RT: 14.509 min Scan# 2477
Delta R.T. -0.005 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Tgt Ion:153 Resp: 3180
Ion Ratio Lower Upper
153 100
152 53.0 43.2 64.8
154 86.4 70.5 105.7

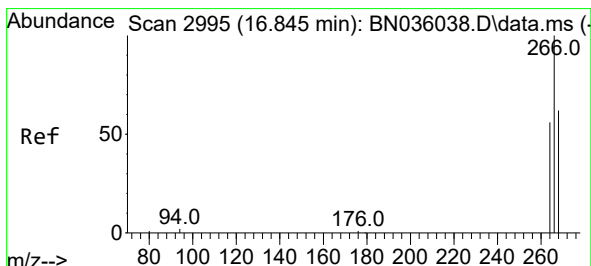
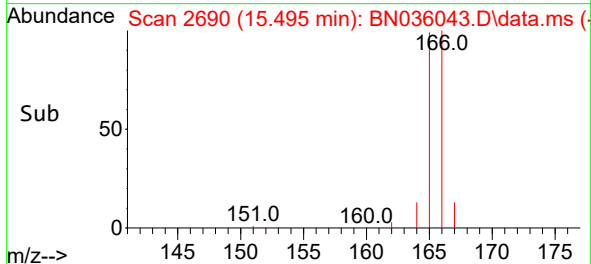
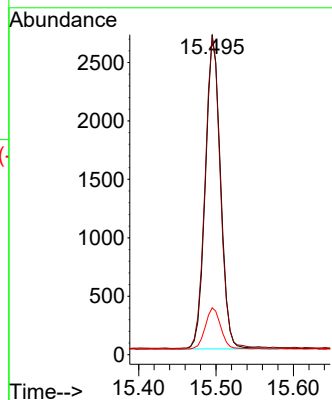
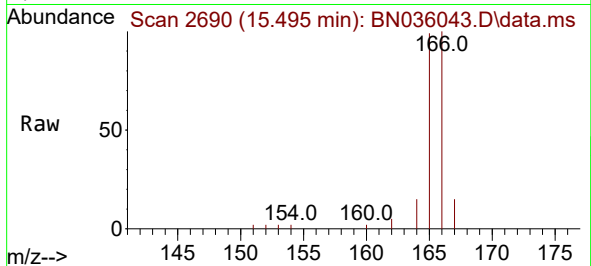




#12
Fluorene
Concen: 0.403 ng/ul
RT: 15.495 min Scan# 2690
Delta R.T. -0.005 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

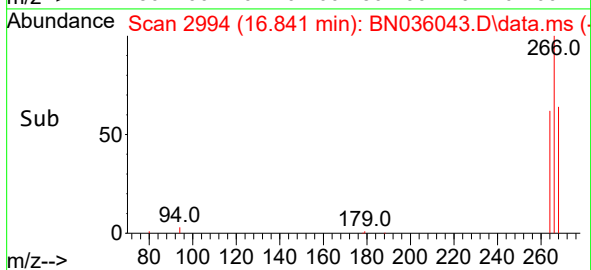
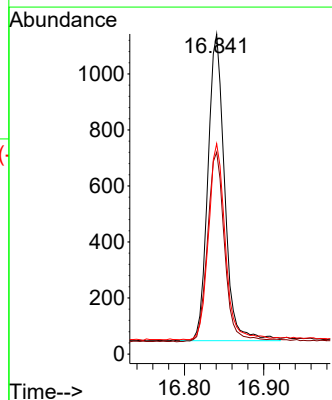
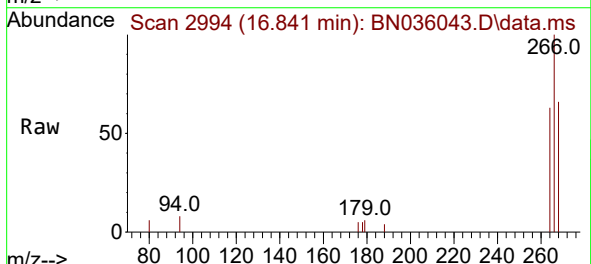
Instrument :
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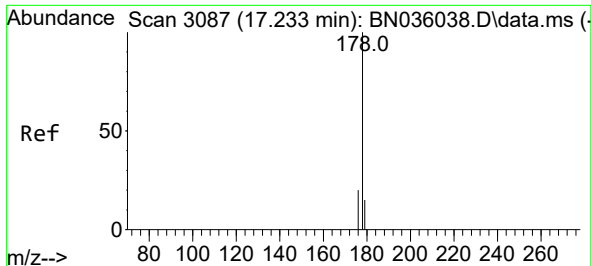
Tgt Ion:166 Resp: 3640
Ion Ratio Lower Upper
166 100
165 99.1 80.3 120.5
167 14.6 12.3 18.5



#14
Pentachlorophenol
Concen: 0.891 ng/ul
RT: 16.841 min Scan# 2994
Delta R.T. -0.000 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Tgt Ion:266 Resp: 1601
Ion Ratio Lower Upper
266 100
264 63.7 50.6 75.8
268 64.5 50.6 75.8

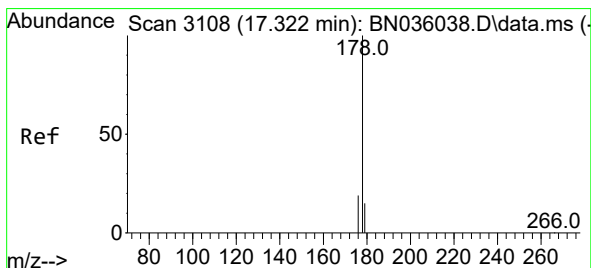
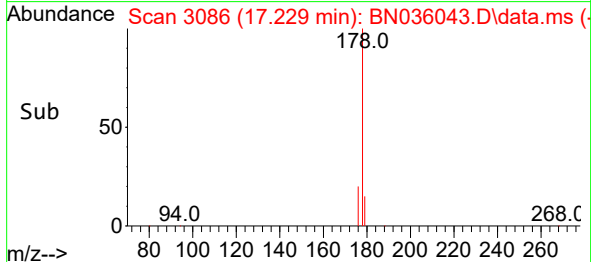
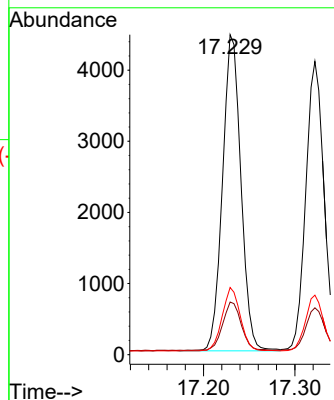
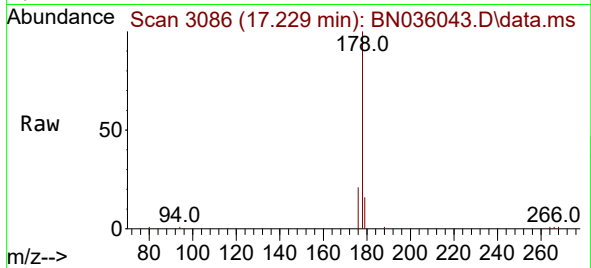




#15
Phenanthrene
Concen: 0.412 ng/ul
RT: 17.229 min Scan# 3086
Delta R.T. -0.004 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

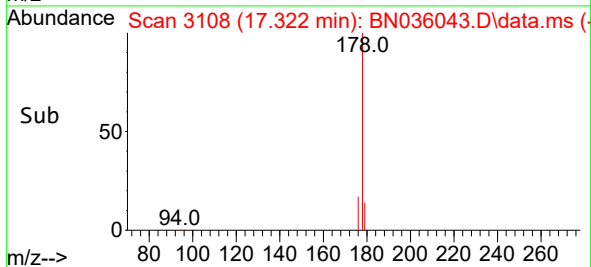
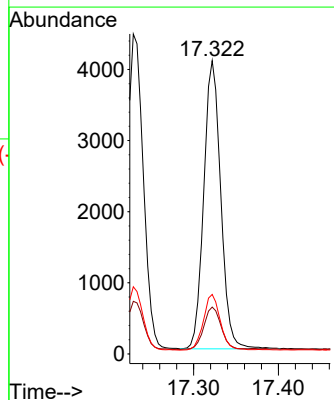
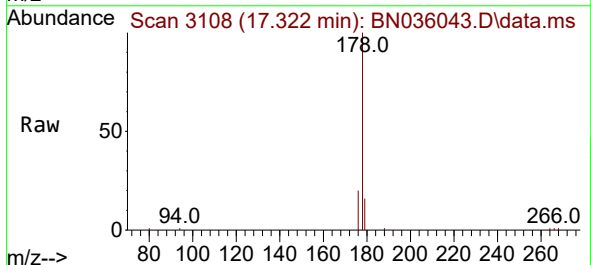
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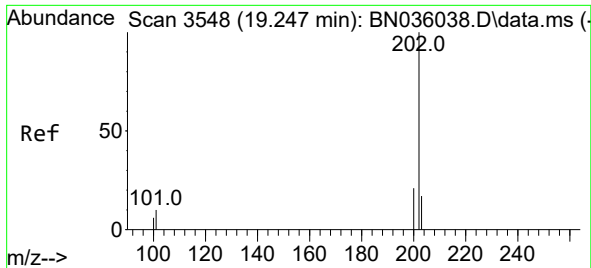
Tgt Ion:178 Resp: 6192
Ion Ratio Lower Upper
178 100
179 16.4 13.2 19.8
176 21.0 16.8 25.2



#16
Anthracene
Concen: 0.404 ng/ul
RT: 17.322 min Scan# 3108
Delta R.T. -0.000 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Tgt Ion:178 Resp: 5647
Ion Ratio Lower Upper
178 100
179 16.0 13.0 19.4
176 20.3 15.9 23.9

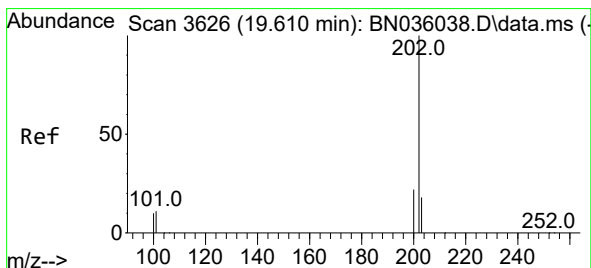
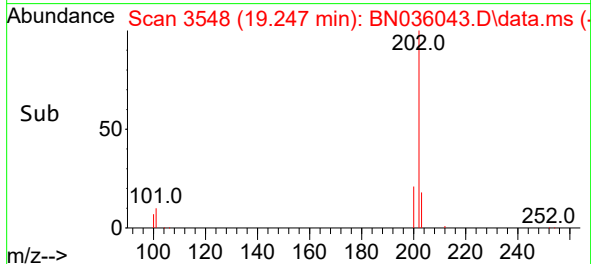
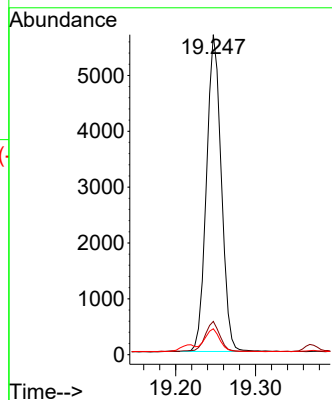
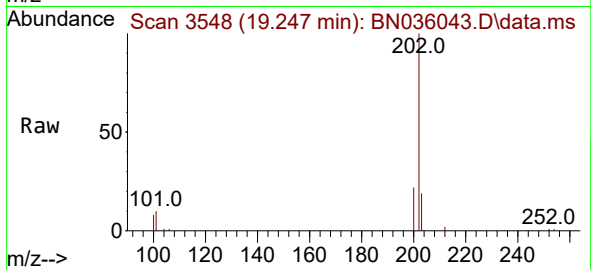




#19
Fluoranthene
Concen: 0.466 ng/ul
RT: 19.247 min Scan# 3548
Delta R.T. -0.000 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

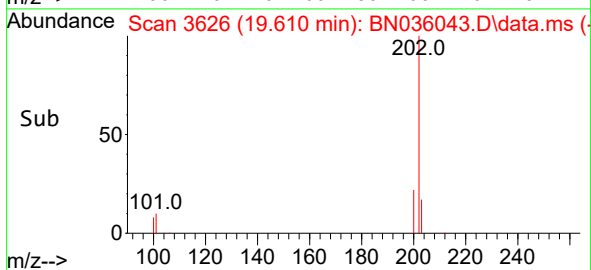
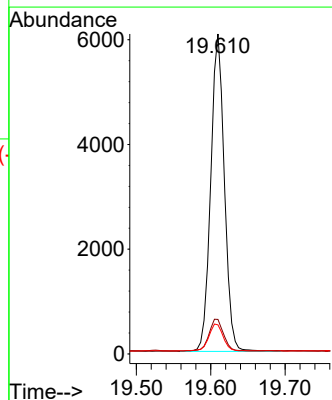
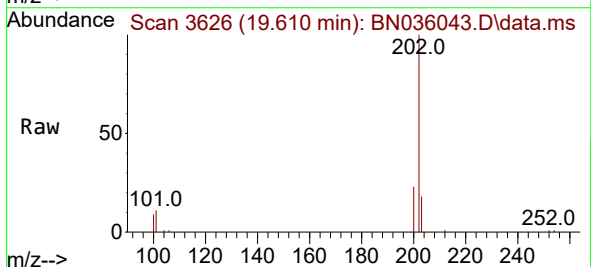
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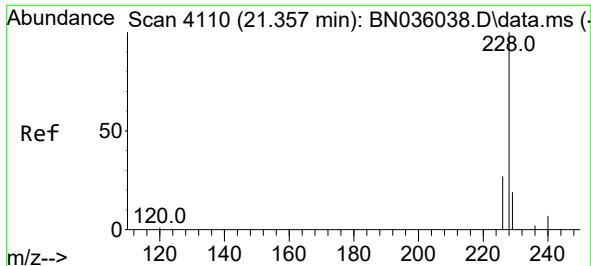
Tgt Ion:202 Resp: 7329
Ion Ratio Lower Upper
202 100
101 10.4 8.4 12.6
100 8.1 6.5 9.7



#20
Pyrene
Concen: 0.472 ng/ul
RT: 19.610 min Scan# 3626
Delta R.T. -0.000 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Tgt Ion:202 Resp: 7747
Ion Ratio Lower Upper
202 100
101 10.8 9.3 13.9
100 9.1 7.5 11.3

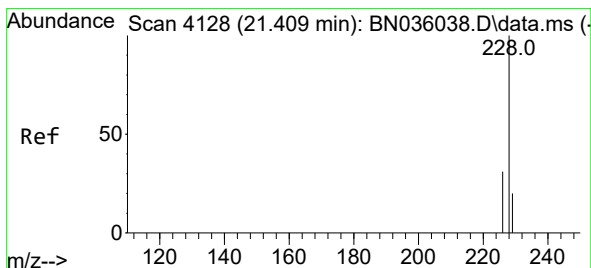
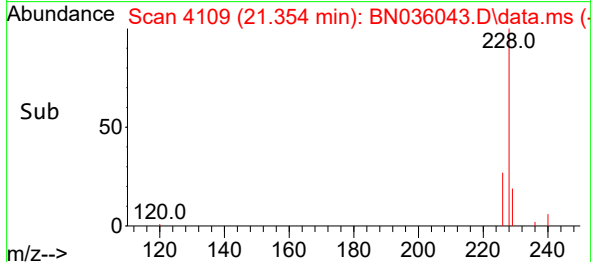
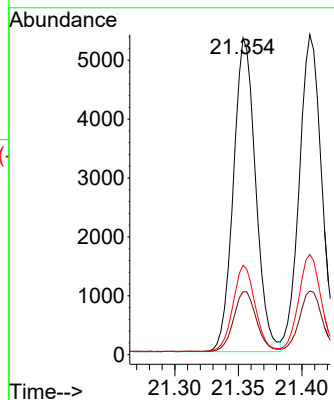
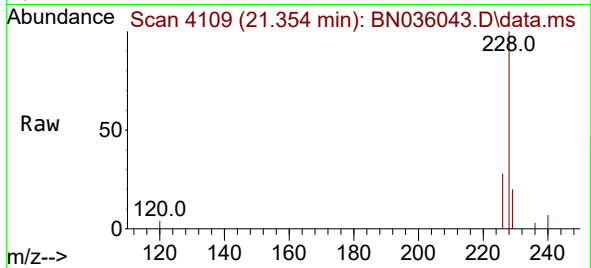




#21
Benzo(a)anthracene
Concen: 0.439 ng/ul
RT: 21.354 min Scan# 4110
Delta R.T. -0.000 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

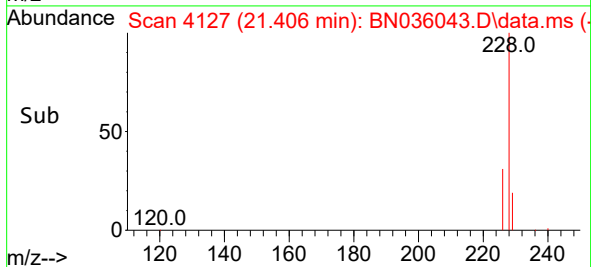
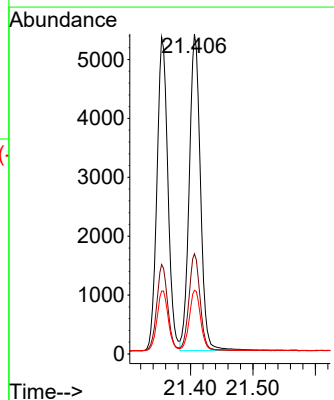
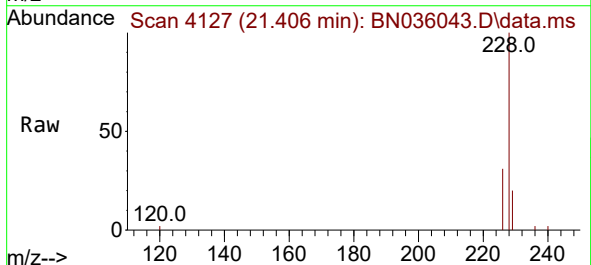
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E2944MSD

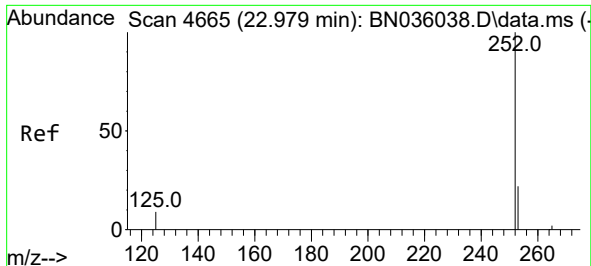
Tgt Ion:228 Resp: 6480
Ion Ratio Lower Upper
228 100
229 19.8 15.9 23.9
226 28.3 22.8 34.2



#22
Chrysene
Concen: 0.442 ng/ul
RT: 21.406 min Scan# 4127
Delta R.T. -0.000 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Tgt Ion:228 Resp: 6668
Ion Ratio Lower Upper
228 100
226 31.3 24.4 36.6
229 19.9 15.9 23.9

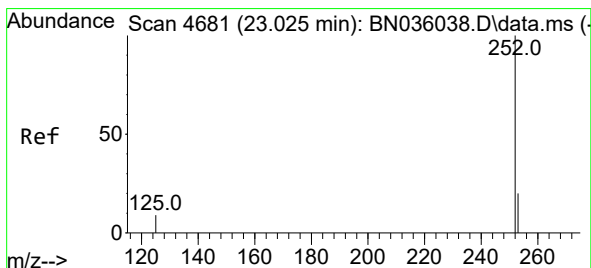
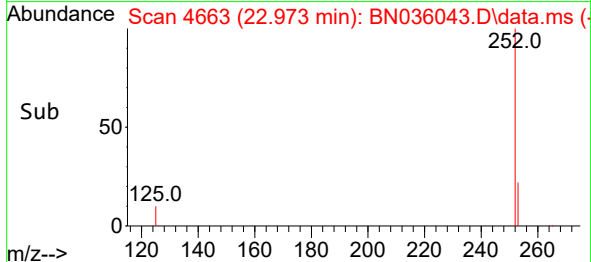
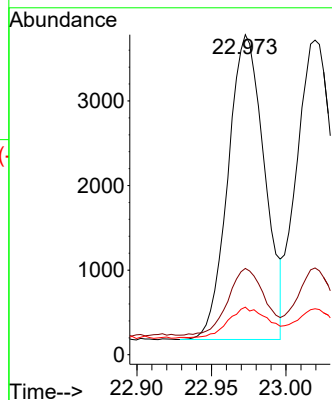
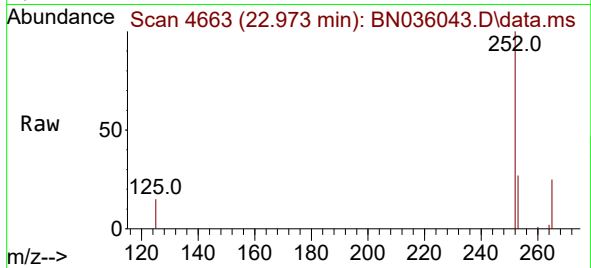




#24
Benzo(b)fluoranthene
Concen: 0.461 ng/ul
RT: 22.973 min Scan# 4663
Delta R.T. -0.000 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

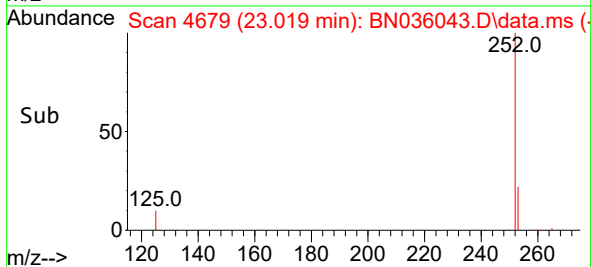
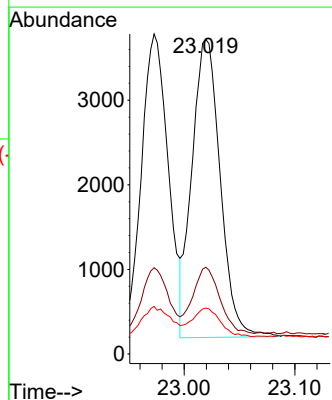
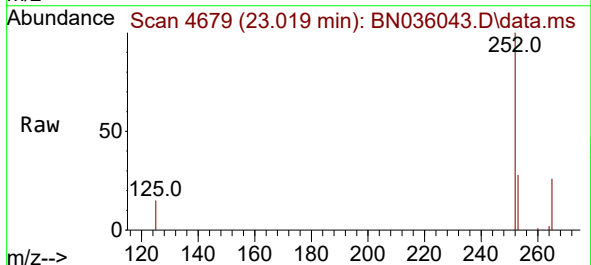
Instrument :
BNA_N
ClientSampleId :
E2944MSD

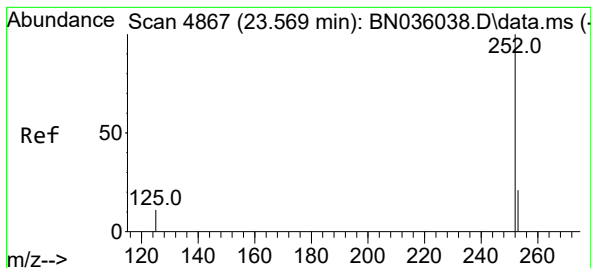
Tgt Ion:252 Resp: 6117
Ion Ratio Lower Upper
252 100
253 26.9 0.0 51.2
125 14.9 0.0 27.8



#25
Benzo(k)fluoranthene
Concen: 0.449 ng/ul
RT: 23.019 min Scan# 4679
Delta R.T. -0.000 min
Lab File: BN036043.D
Acq: 27 Jan 2025 19:01

Tgt Ion:252 Resp: 6263
Ion Ratio Lower Upper
252 100
253 27.6 20.2 30.4
125 14.6 10.6 16.0





#26

Benzo(a)pyrene

Concen: 0.438 ng/ul

RT: 23.566 min Scan# 4866

Delta R.T. 0.003 min

Lab File: BN036043.D

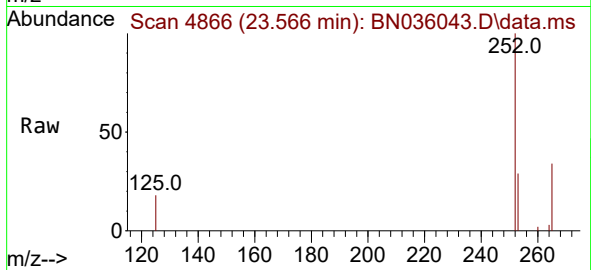
Acq: 27 Jan 2025 19:01

Instrument :

BNA_N

ClientSampleId :

E2944MSD



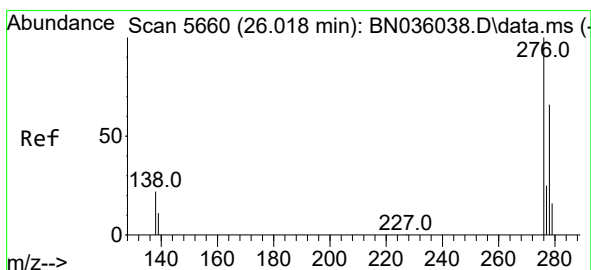
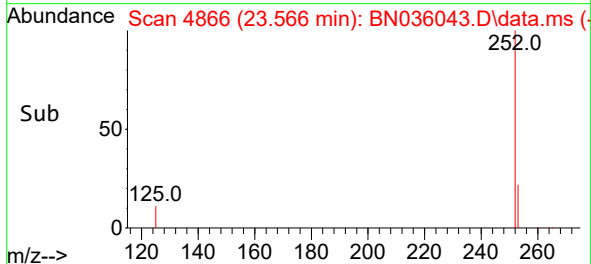
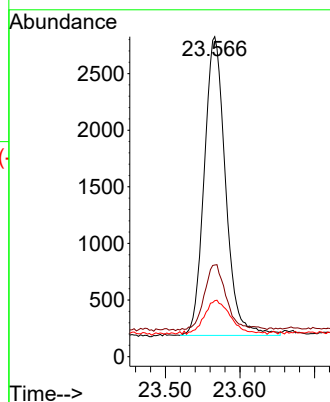
Tgt Ion:252 Resp: 5246

Ion Ratio Lower Upper

252 100

253 28.7 22.2 33.4

125 17.5 13.1 19.7



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.420 ng/ul

RT: 26.007 min Scan# 5657

Delta R.T. 0.003 min

Lab File: BN036043.D

Acq: 27 Jan 2025 19:01

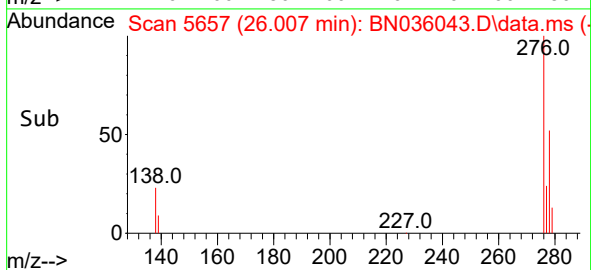
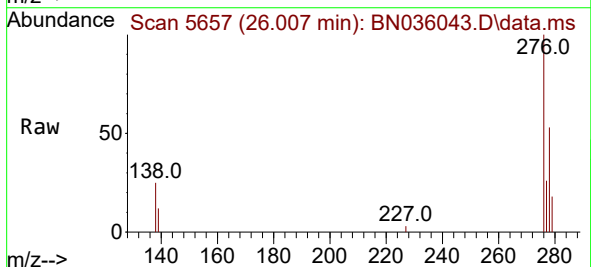
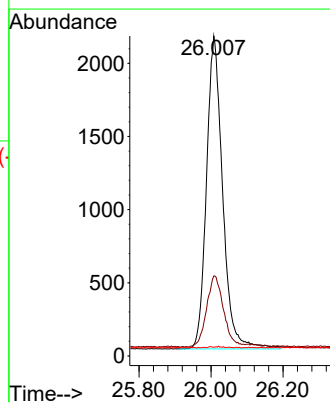
Tgt Ion:276 Resp: 6660

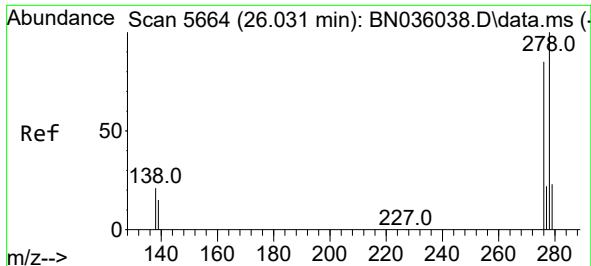
Ion Ratio Lower Upper

276 100

138 24.5 20.2 30.4

227 0.1 0.1 0.1

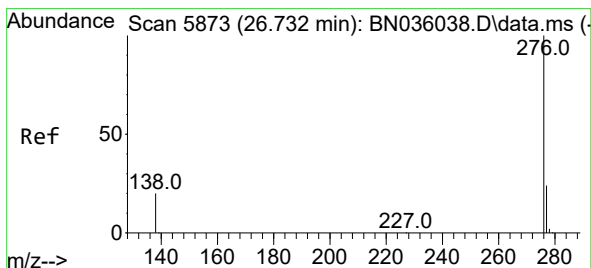
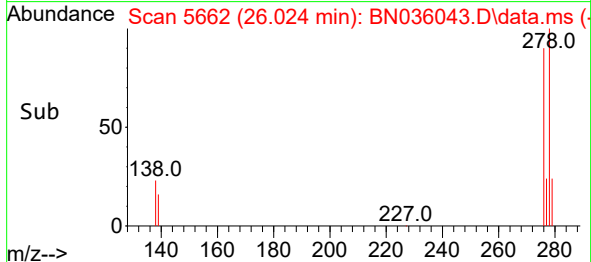
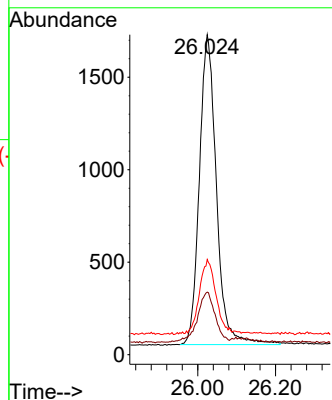
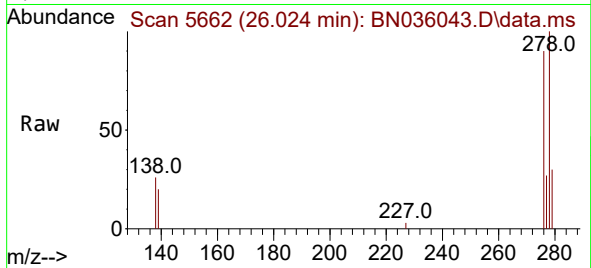




#28
 Dibenzo(a,h)anthracene
 Concen: 0.418 ng/ul
 RT: 26.024 min Scan# 5103
 Delta R.T. 0.003 min
 Lab File: BN036043.D
 Acq: 27 Jan 2025 19:01

Instrument :
 BNA_N
 ClientSampleId :
 E2944MSD

Tgt Ion:278 Resp: 5103
 Ion Ratio Lower Upper
 278 100
 139 19.5 15.4 23.2
 279 29.8 22.2 33.4



#29
 Benzo(g,h,i)perylene
 Concen: 0.425 ng/ul
 RT: 26.725 min Scan# 5871
 Delta R.T. 0.007 min
 Lab File: BN036043.D
 Acq: 27 Jan 2025 19:01

Tgt Ion:276 Resp: 5231
 Ion Ratio Lower Upper
 276 100
 138 22.9 19.4 29.0
 277 25.7 21.1 31.7

