

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020625\
 Data File : BN036341.D
 Acq On : 06 Feb 2025 18:34
 Operator : RC/JU
 Sample : Q1247-08MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A6335MSD

Quant Time: Feb 07 07:33:45 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 : Thu Feb 06 14:44:03 2025
 Response via : Initial Calibration

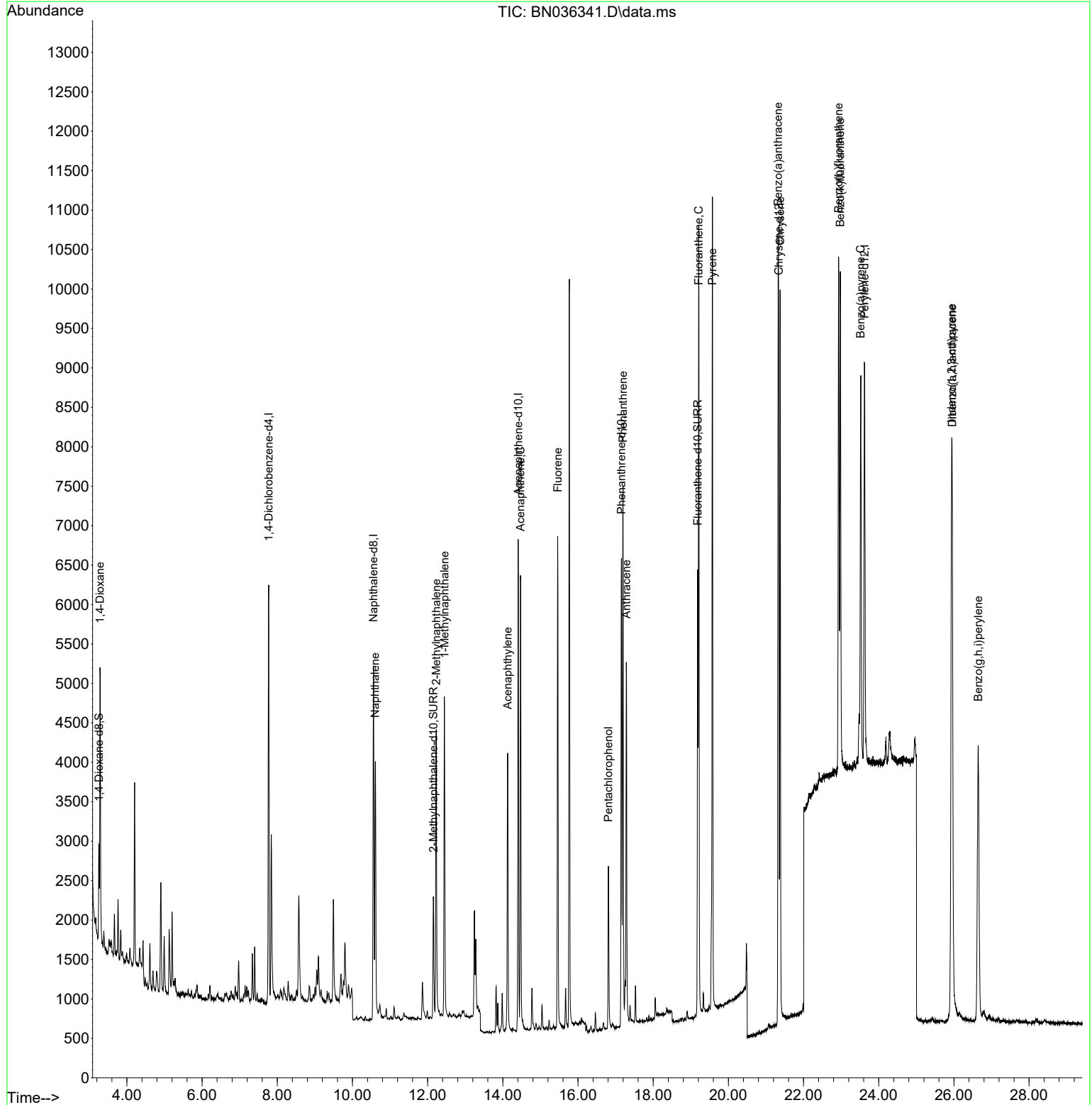
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.770	152	2600	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.557	136	6195	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.409	164	3421	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.154	188	7098	0.400	ng/ul	#-0.02
17) Chrysene-d12	21.339	240	6490	0.400	ng/ul	#-0.02
23) Perylene-d12	23.621	264	7056	0.400	ng/ul	#-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.256	96	718	0.252	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.151	152	2143	0.274	ng/ul	-0.02
18) Fluoranthene-d10	19.184	212	5935	0.333	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.285	88	2206	0.726	ng/ul	97
5) Naphthalene	10.606	128	4514	0.264	ng/ul	98
7) 2-Methylnaphthalene	12.228	142	2773	0.262	ng/ul	100
8) 1-Methylnaphthalene	12.448	142	2874	0.267	ng/ul	100
10) Acenaphthylene	14.127	152	4258	0.264	ng/ul	99
11) Acenaphthene	14.469	153	3387	0.285	ng/ul	98
12) Fluorene	15.459	166	3982	0.304	ng/ul	100
14) Pentachlorophenol	16.808	266	1508	0.606	ng/ul	99
15) Phenanthrene	17.196	178	7139	0.343	ng/ul	99
16) Anthracene	17.285	178	4997	0.259	ng/ul	97
19) Fluoranthene	19.211	202	8173	0.331	ng/ul#	93
20) Pyrene	19.574	202	8543	0.332	ng/ul#	91
21) Benzo(a)anthracene	21.324	228	7367	0.318	ng/ul	99
22) Chrysene	21.377	228	8014	0.339	ng/ul	98
24) Benzo(b)fluoranthene	22.931	252	8061	0.342	ng/ul	81
25) Benzo(k)fluoranthene	22.978	252	8307	0.336	ng/ul#	83
26) Benzo(a)pyrene	23.519	252	6873	0.323	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	25.937	276	9422	0.335	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.954	278	7400	0.341	ng/ul#	93
29) Benzo(g,h,i)perylene	26.648	276	7474	0.342	ng/ul	95

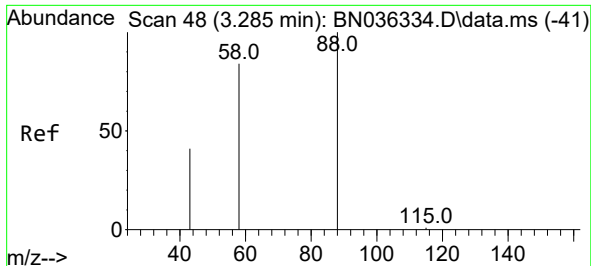
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 06 14:44:03 2025
Response via : Initial Calibration

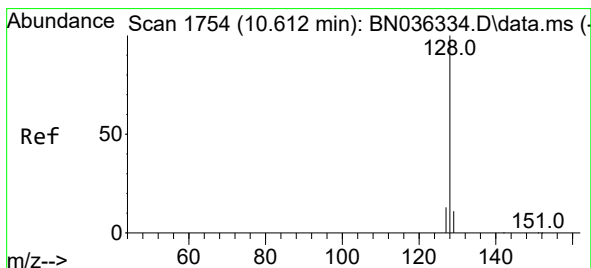
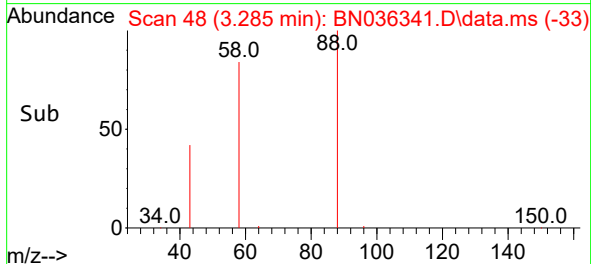
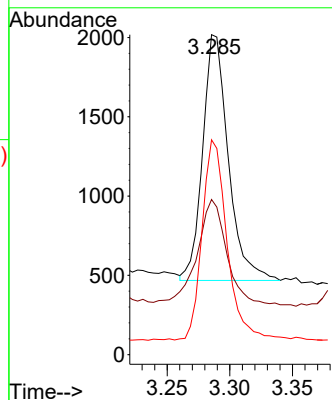
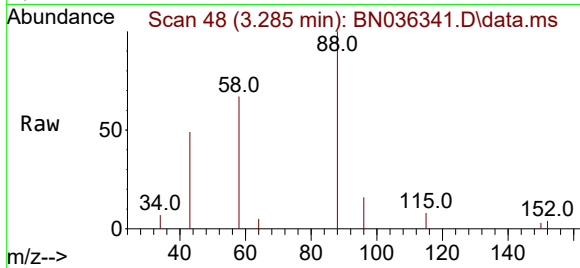




#2
 1,4-Dioxane
 Concen: 0.726 ng/ul
 RT: 3.285 min Scan# 41
 Delta R.T. -0.008 min
 Lab File: BN036341.D
 Acq: 06 Feb 2025 18:34

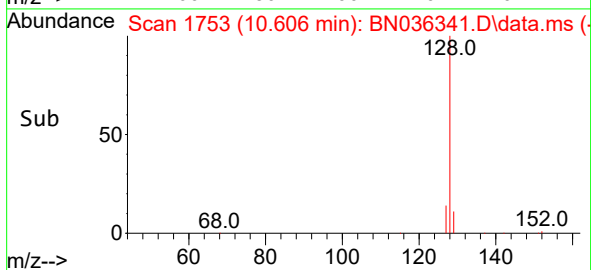
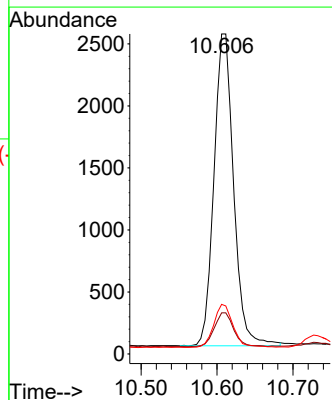
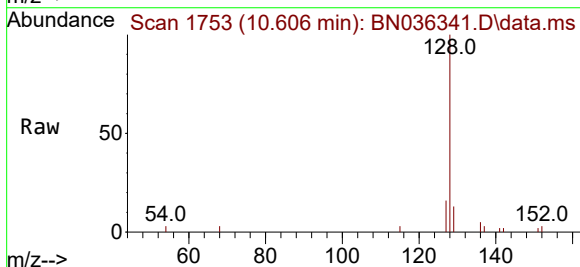
Instrument :
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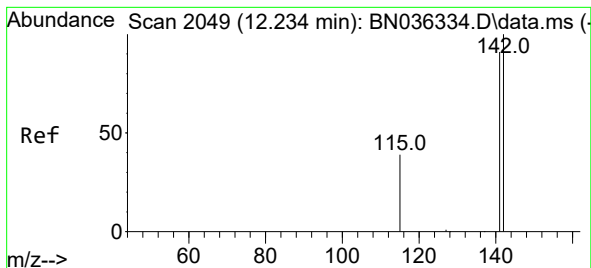
Tgt Ion: 88 Resp: 2206
 Ion Ratio Lower Upper
 88 100
 43 48.5 40.7 61.1
 58 67.1 55.2 82.8



#5
 Naphthalene
 Concen: 0.264 ng/ul
 RT: 10.606 min Scan# 1753
 Delta R.T. -0.021 min
 Lab File: BN036341.D
 Acq: 06 Feb 2025 18:34

Tgt Ion: 128 Resp: 4514
 Ion Ratio Lower Upper
 128 100
 129 12.9 9.6 14.4
 127 15.5 12.0 18.0

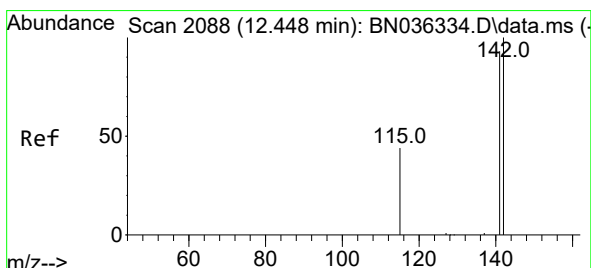
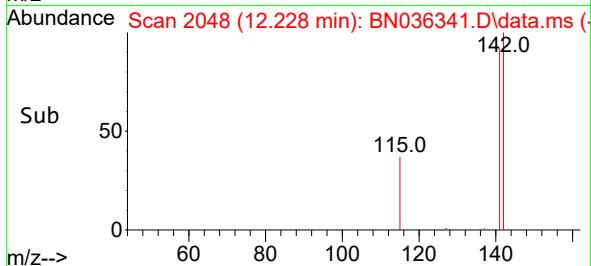
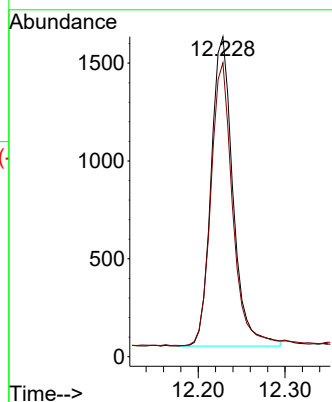
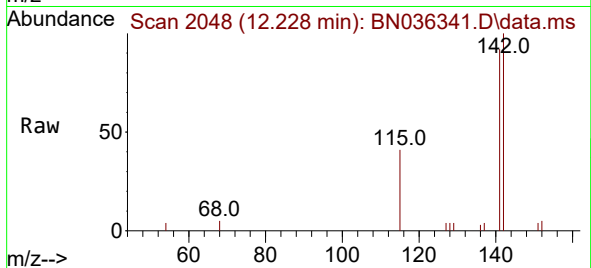




#7
2-Methylnaphthalene
Concen: 0.262 ng/ul
RT: 12.228 min Scan# 2048
Delta R.T. -0.016 min
Lab File: BN036341.D
Acq: 06 Feb 2025 18:34

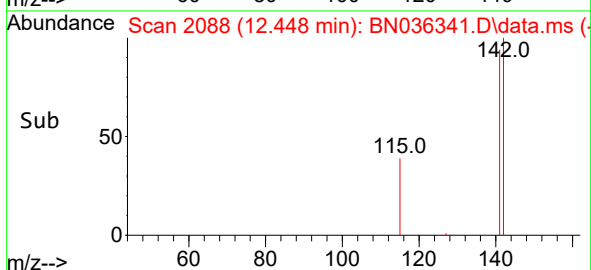
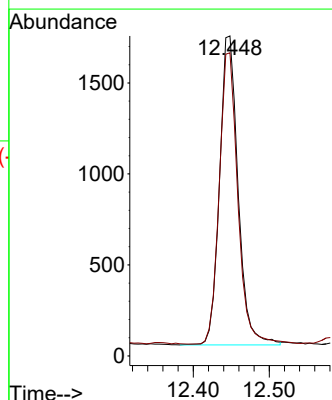
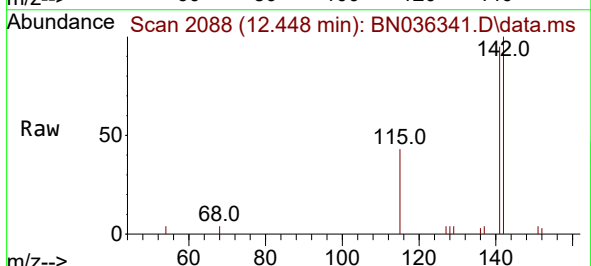
Instrument :
BNA_N
ClientSampleId :
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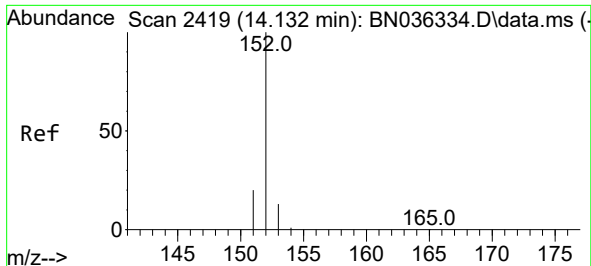
Tgt Ion:142 Resp: 2773
Ion Ratio Lower Upper
142 100
141 90.2 71.9 107.9



#8
1-Methylnaphthalene
Concen: 0.267 ng/ul
RT: 12.448 min Scan# 2088
Delta R.T. -0.016 min
Lab File: BN036341.D
Acq: 06 Feb 2025 18:34

Tgt Ion:142 Resp: 2874
Ion Ratio Lower Upper
142 100
141 93.9 75.2 112.8

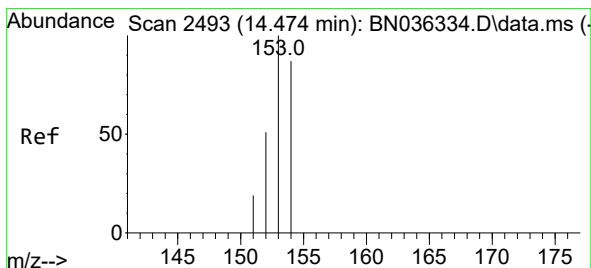
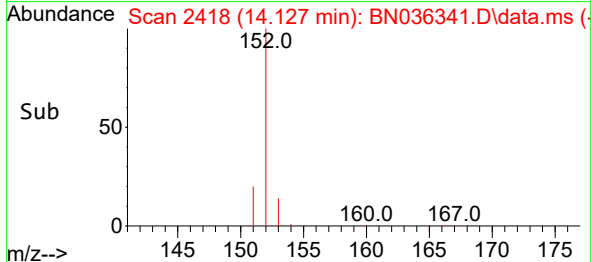
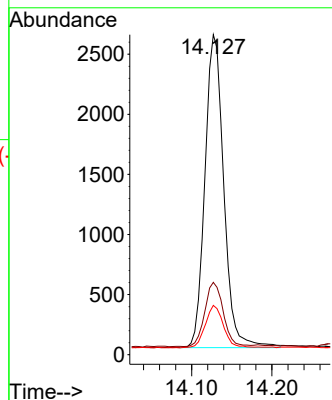
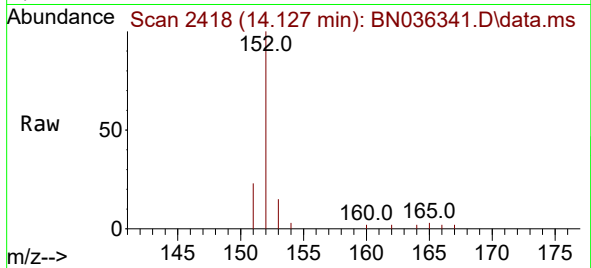




#10
Acenaphthylene
Concen: 0.264 ng/ul
RT: 14.127 min Scan# 2418
Delta R.T. -0.018 min
Lab File: BN036341.D
Acq: 06 Feb 2025 18:34

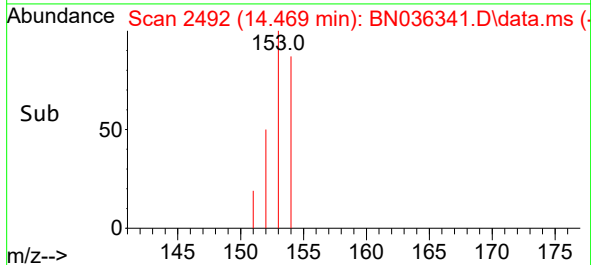
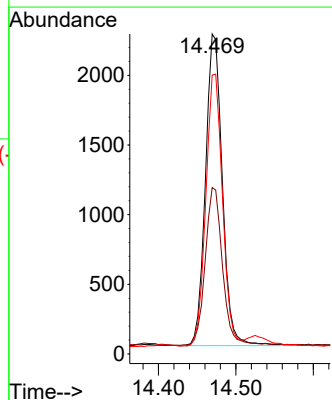
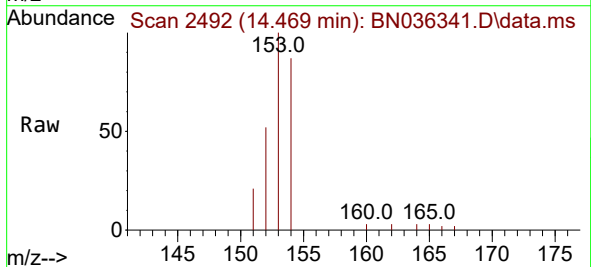
Instrument :
BNA_N
ClientSampleId :
A6335MSD

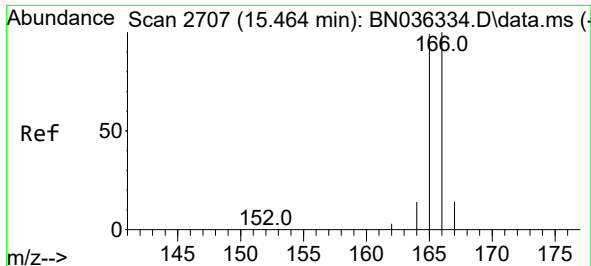
Tgt Ion:152 Resp: 4258
Ion Ratio Lower Upper
152 100
151 22.6 17.4 26.2
153 15.4 11.9 17.9



#11
Acenaphthene
Concen: 0.285 ng/ul
RT: 14.469 min Scan# 2492
Delta R.T. -0.022 min
Lab File: BN036341.D
Acq: 06 Feb 2025 18:34

Tgt Ion:153 Resp: 3387
Ion Ratio Lower Upper
153 100
152 52.0 43.2 64.8
154 87.2 70.5 105.7

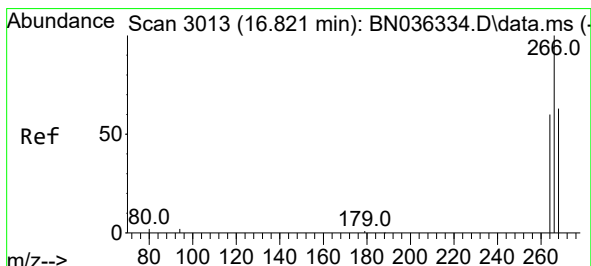
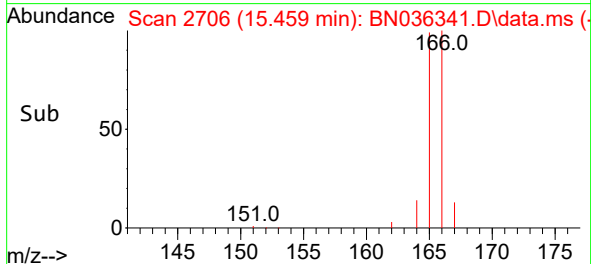
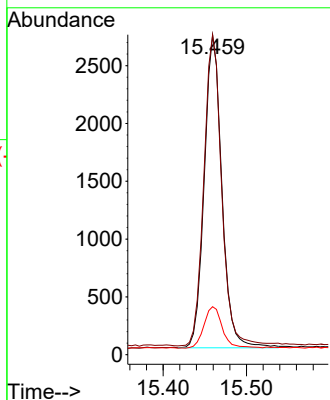
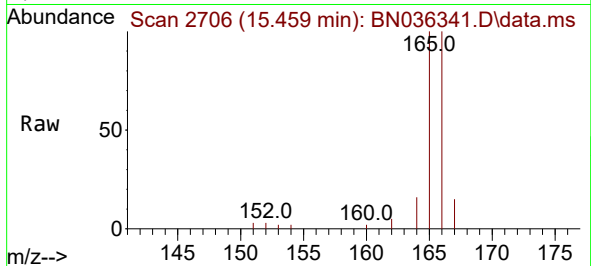




#12
Fluorene
Concen: 0.304 ng/ul
RT: 15.459 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN036341.D
Acq: 06 Feb 2025 18:34

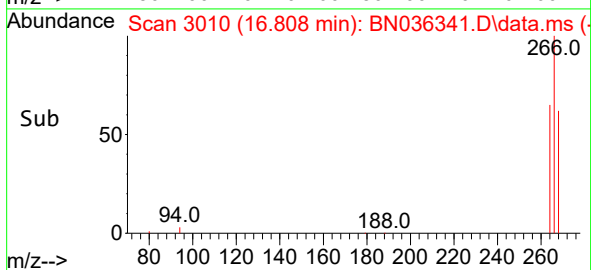
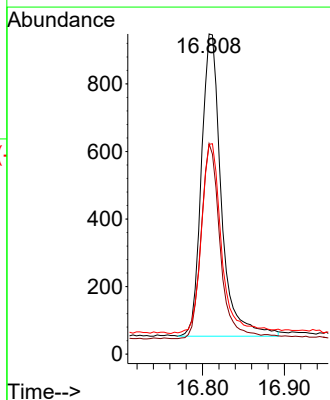
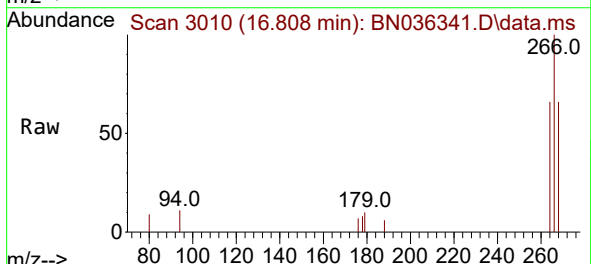
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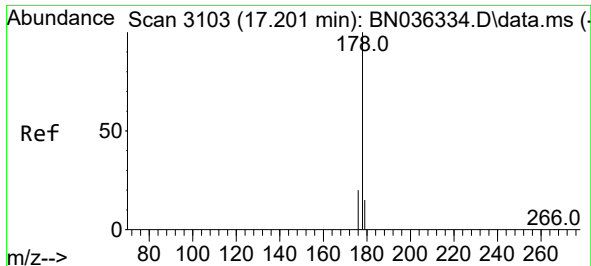
Tgt Ion:166 Resp: 3982
Ion Ratio Lower Upper
166 100
165 100.2 80.3 120.5
167 15.0 12.3 18.5



#14
Pentachlorophenol
Concen: 0.606 ng/ul
RT: 16.808 min Scan# 3010
Delta R.T. -0.020 min
Lab File: BN036341.D
Acq: 06 Feb 2025 18:34

Tgt Ion:266 Resp: 1508
Ion Ratio Lower Upper
266 100
264 61.9 50.6 75.8
268 63.6 50.6 75.8

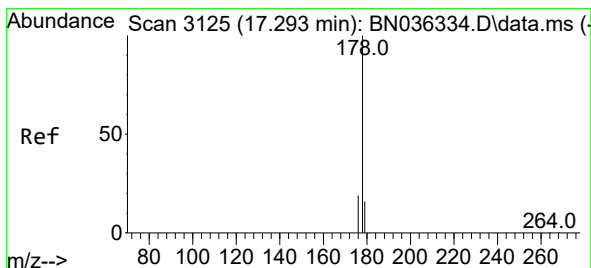
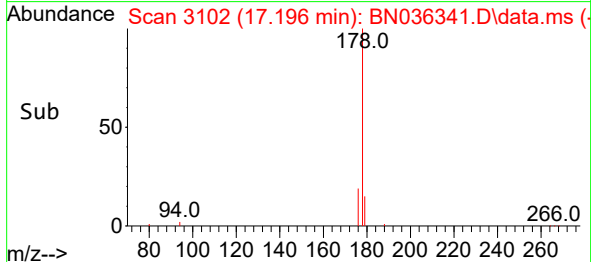
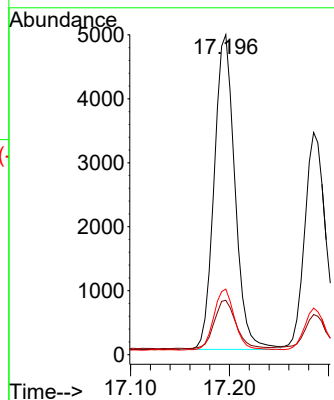
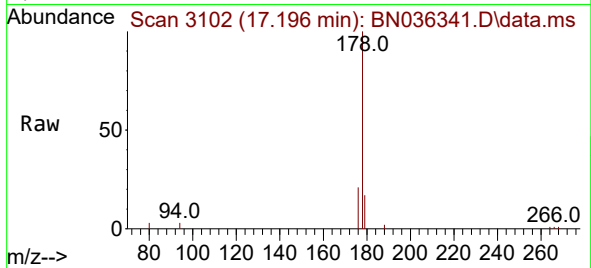




#15
Phenanthrene
Concen: 0.343 ng/ul
RT: 17.196 min Scan# 3102
Delta R.T. -0.016 min
Lab File: BN036341.D
Acq: 06 Feb 2025 18:34

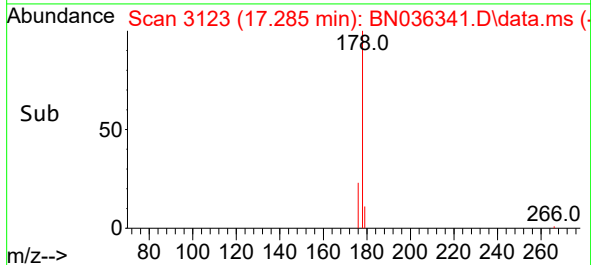
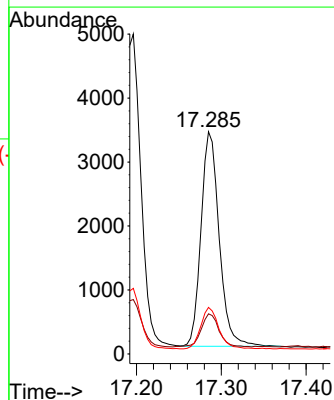
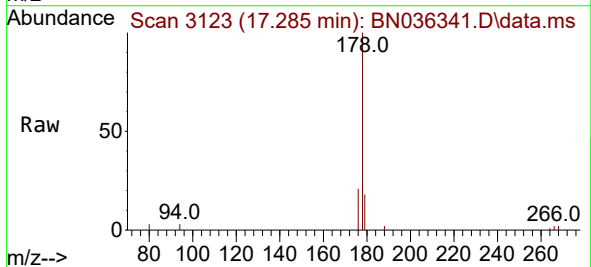
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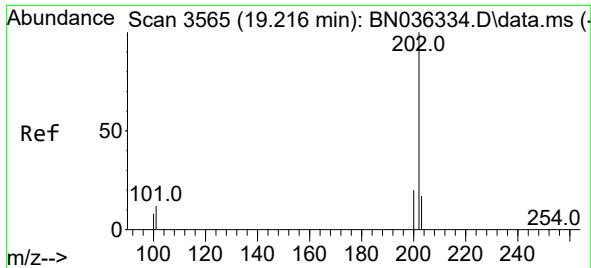
Tgt Ion:178 Resp: 7139
Ion Ratio Lower Upper
178 100
179 17.0 13.2 19.8
176 20.5 16.8 25.2



#16
Anthracene
Concen: 0.259 ng/ul
RT: 17.285 min Scan# 3123
Delta R.T. -0.020 min
Lab File: BN036341.D
Acq: 06 Feb 2025 18:34

Tgt Ion:178 Resp: 4997
Ion Ratio Lower Upper
178 100
179 18.1 13.0 19.4
176 20.9 15.9 23.9

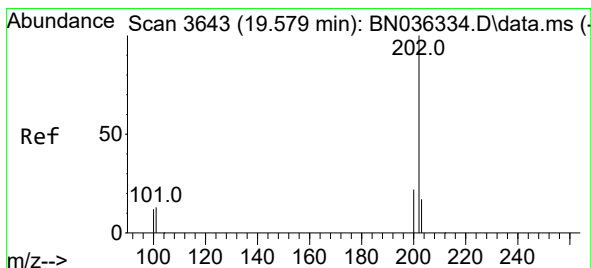
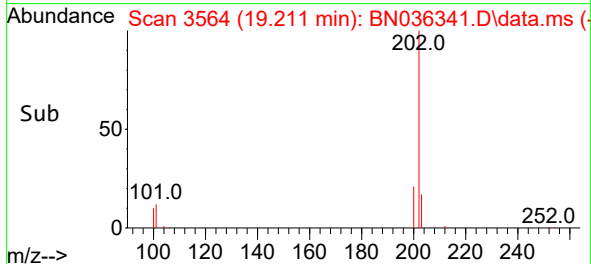
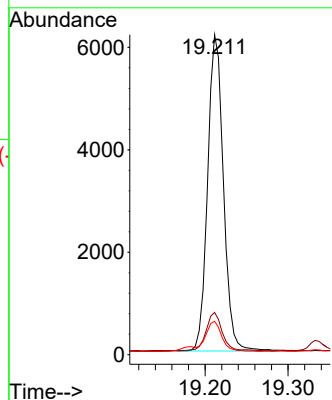
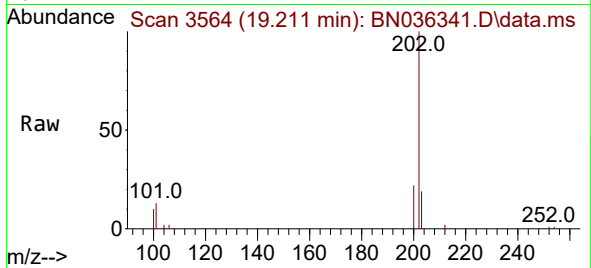




#19
Fluoranthene
Concen: 0.331 ng/ul
RT: 19.211 min Scan# 3564
Delta R.T. -0.022 min
Lab File: BN036341.D
Acq: 06 Feb 2025 18:34

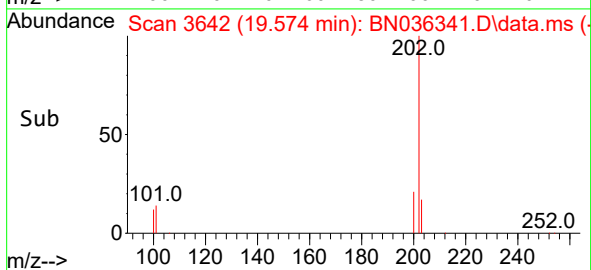
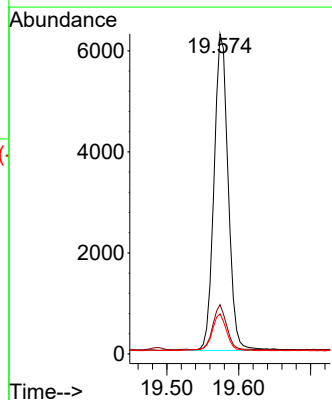
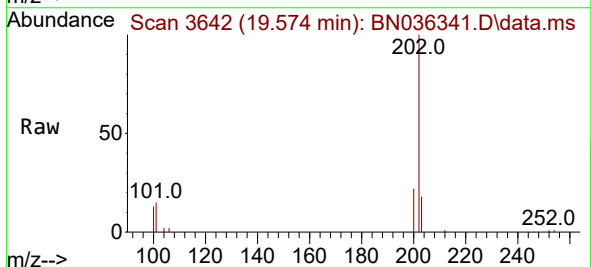
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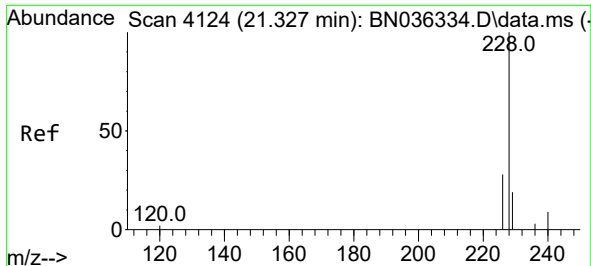
Tgt Ion:202 Resp: 8173
Ion Ratio Lower Upper
202 100
101 13.2 8.4 12.6#
100 10.5 6.5 9.7#



#20
Pyrene
Concen: 0.332 ng/ul
RT: 19.574 min Scan# 3642
Delta R.T. -0.022 min
Lab File: BN036341.D
Acq: 06 Feb 2025 18:34

Tgt Ion:202 Resp: 8543
Ion Ratio Lower Upper
202 100
101 15.4 9.3 13.9#
100 12.6 7.5 11.3#

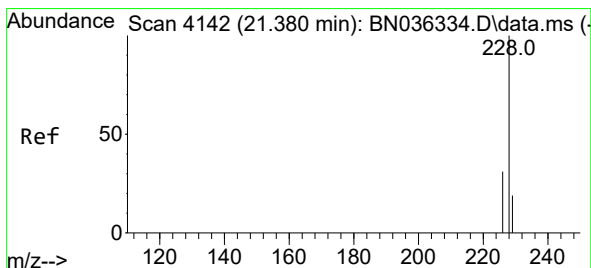
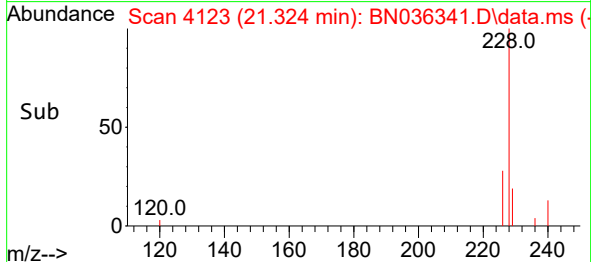
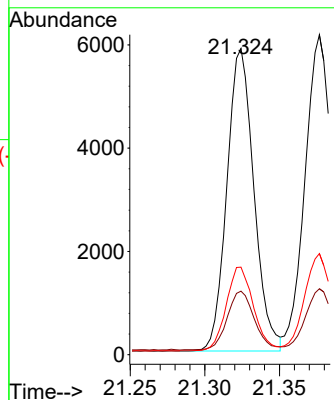
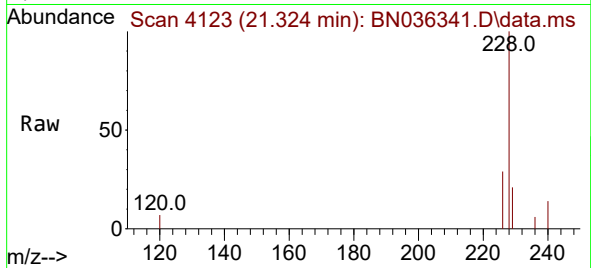




#21
Benzo(a)anthracene
Concen: 0.318 ng/ul
RT: 21.324 min Scan# 4112
Delta R.T. -0.021 min
Lab File: BN036341.D
Acq: 06 Feb 2025 18:34

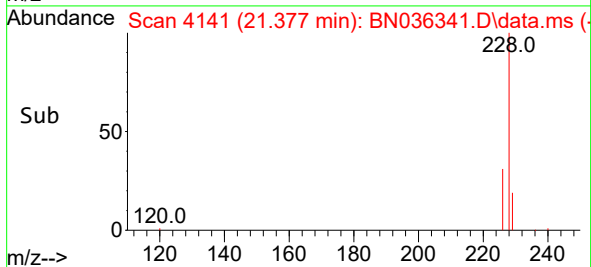
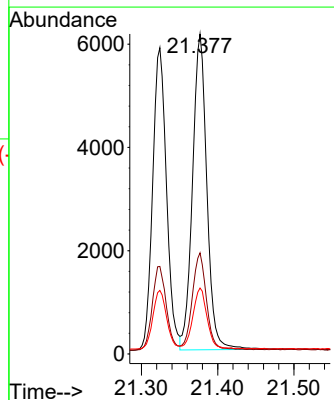
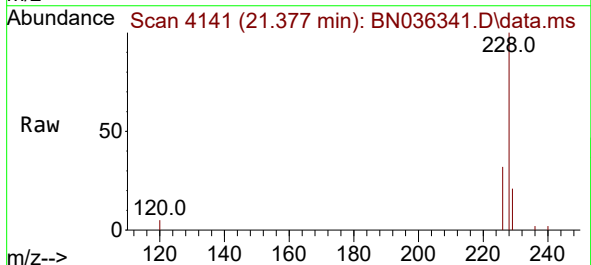
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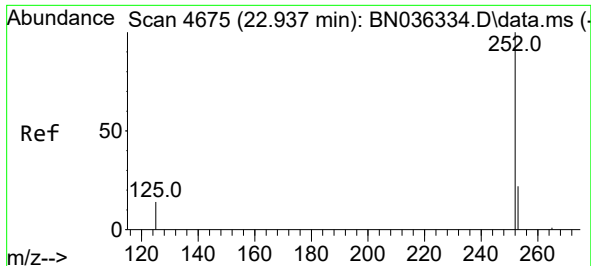
Tgt Ion:228 Resp: 7367
Ion Ratio Lower Upper
228 100
229 20.8 15.9 23.9
226 28.6 22.8 34.2



#22
Chrysene
Concen: 0.339 ng/ul
RT: 21.377 min Scan# 4141
Delta R.T. -0.021 min
Lab File: BN036341.D
Acq: 06 Feb 2025 18:34

Tgt Ion:228 Resp: 8014
Ion Ratio Lower Upper
228 100
226 31.6 24.4 36.6
229 20.6 15.9 23.9

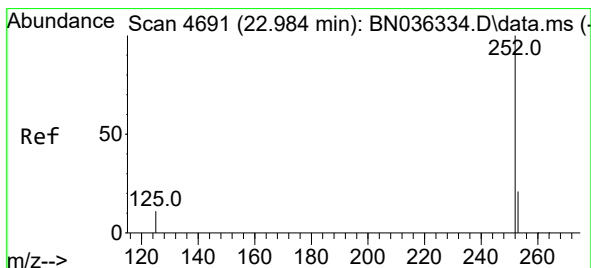
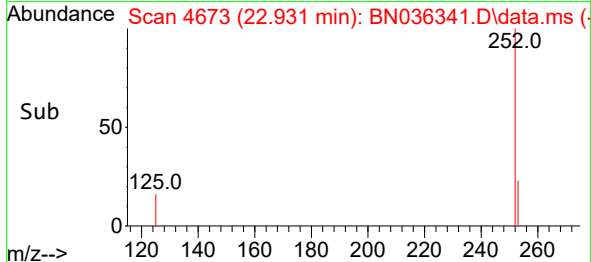
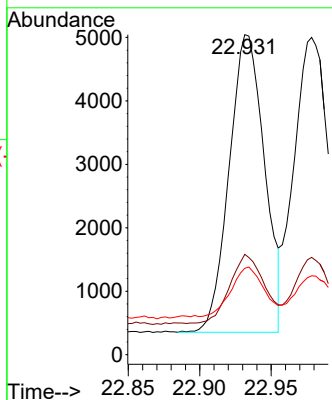
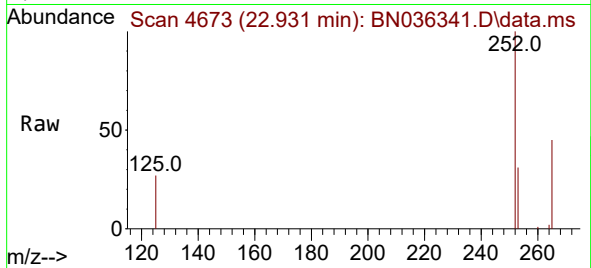




#24
Benzo(b)fluoranthene
Concen: 0.342 ng/ul
RT: 22.931 min Scan# 4673
Delta R.T. -0.030 min
Lab File: BN036341.D
Acq: 06 Feb 2025 18:34

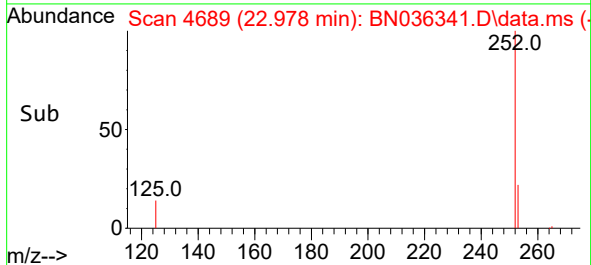
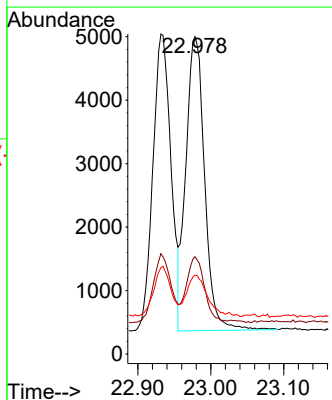
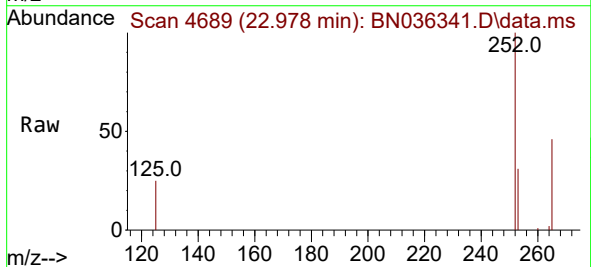
Instrument :
BNA_N
ClientSampleId :
A6335MSD

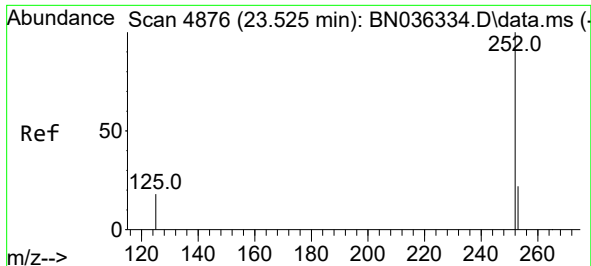
Tgt Ion:252	Resp:	8061
Ion	Ratio	Lower Upper
252	100	
253	31.4	0.0 51.2
125	27.0	0.0 27.8



#25
Benzo(k)fluoranthene
Concen: 0.336 ng/ul
RT: 22.978 min Scan# 4689
Delta R.T. -0.030 min
Lab File: BN036341.D
Acq: 06 Feb 2025 18:34

Tgt Ion:252	Resp:	8307
Ion	Ratio	Lower Upper
252	100	
253	30.7	20.2 30.4#
125	24.9	10.6 16.0#

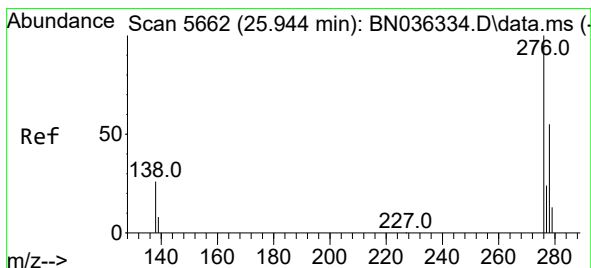
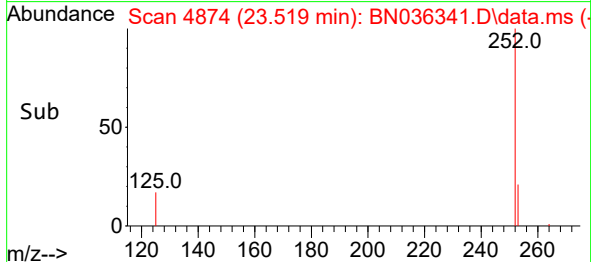
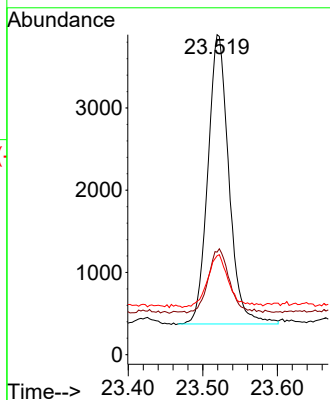
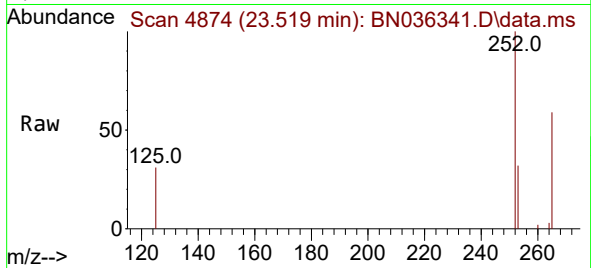




#26
Benzo(a)pyrene
Concen: 0.323 ng/ul
RT: 23.519 min Scan# 4874
Delta R.T. -0.036 min
Lab File: BN036341.D
Acq: 06 Feb 2025 18:34

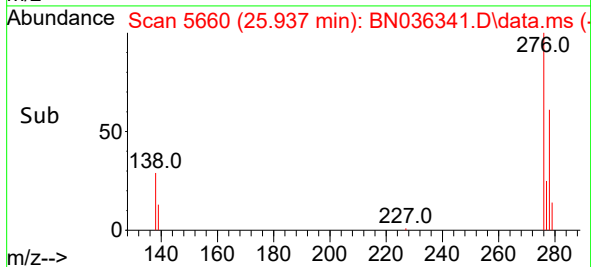
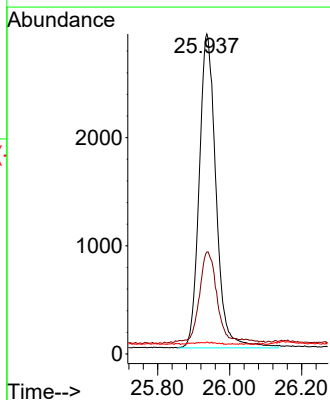
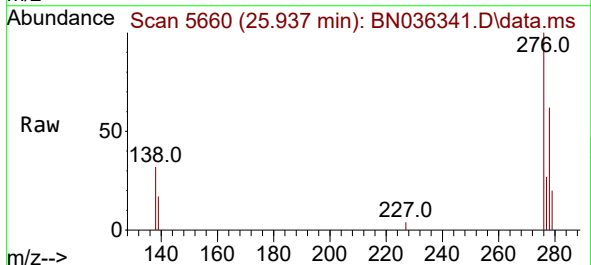
Instrument :
BNA_N
ClientSampleId :
A6335MSD

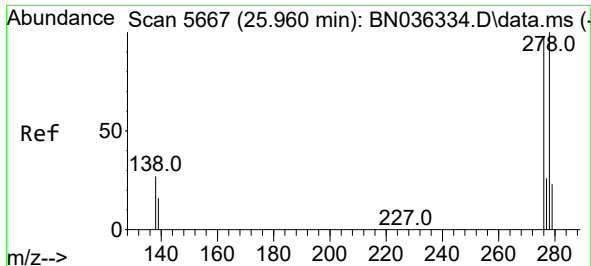
Tgt Ion:252 Resp: 6873
Ion Ratio Lower Upper
252 100
253 32.0 22.2 33.4
125 30.9 13.1 19.7#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.335 ng/ul
RT: 25.937 min Scan# 5660
Delta R.T. -0.051 min
Lab File: BN036341.D
Acq: 06 Feb 2025 18:34

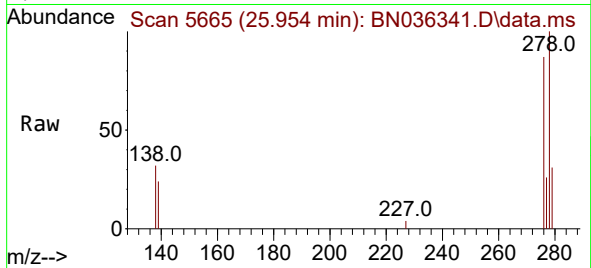
Tgt Ion:276 Resp: 9422
Ion Ratio Lower Upper
276 100
138 30.3 20.2 30.4
227 0.4 0.1 0.1#



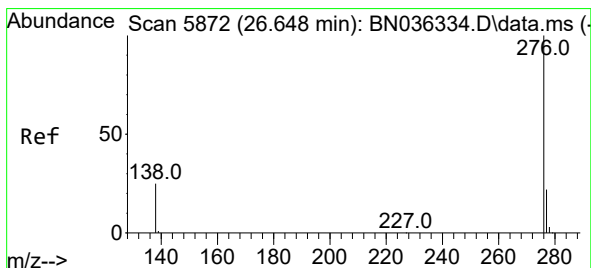
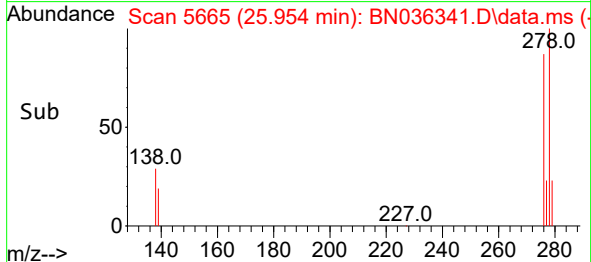
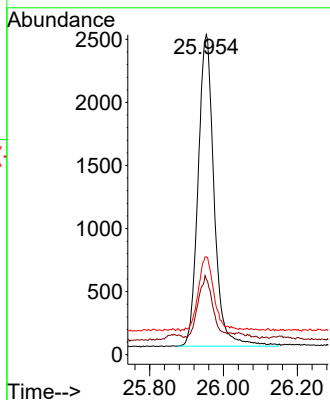


#28
 Dibenzo(a,h)anthracene
 Concen: 0.341 ng/ul
 RT: 25.954 min Scan# 5665
 Delta R.T. -0.044 min
 Lab File: BN036341.D
 Acq: 06 Feb 2025 18:34

Instrument :
 BNA_N
 ClientSampleId :
 A6335MSD



Tgt Ion:278 Resp: 7400
 Ion Ratio Lower Upper
 278 100
 139 23.6 15.4 23.2#
 279 30.5 22.2 33.4



#29
 Benzo(g,h,i)perylene
 Concen: 0.342 ng/ul
 RT: 26.648 min Scan# 5872
 Delta R.T. -0.055 min
 Lab File: BN036341.D
 Acq: 06 Feb 2025 18:34

Tgt Ion:276 Resp: 7474
 Ion Ratio Lower Upper
 276 100
 138 28.8 19.4 29.0
 277 26.8 21.1 31.7

