

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN013125\
 Data File : BN036175.D
 Acq On : 31 Jan 2025 19:27
 Operator : RC/JU
 Sample : 01197-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E2964MSD

Quant Time: Feb 03 08:51:56 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)

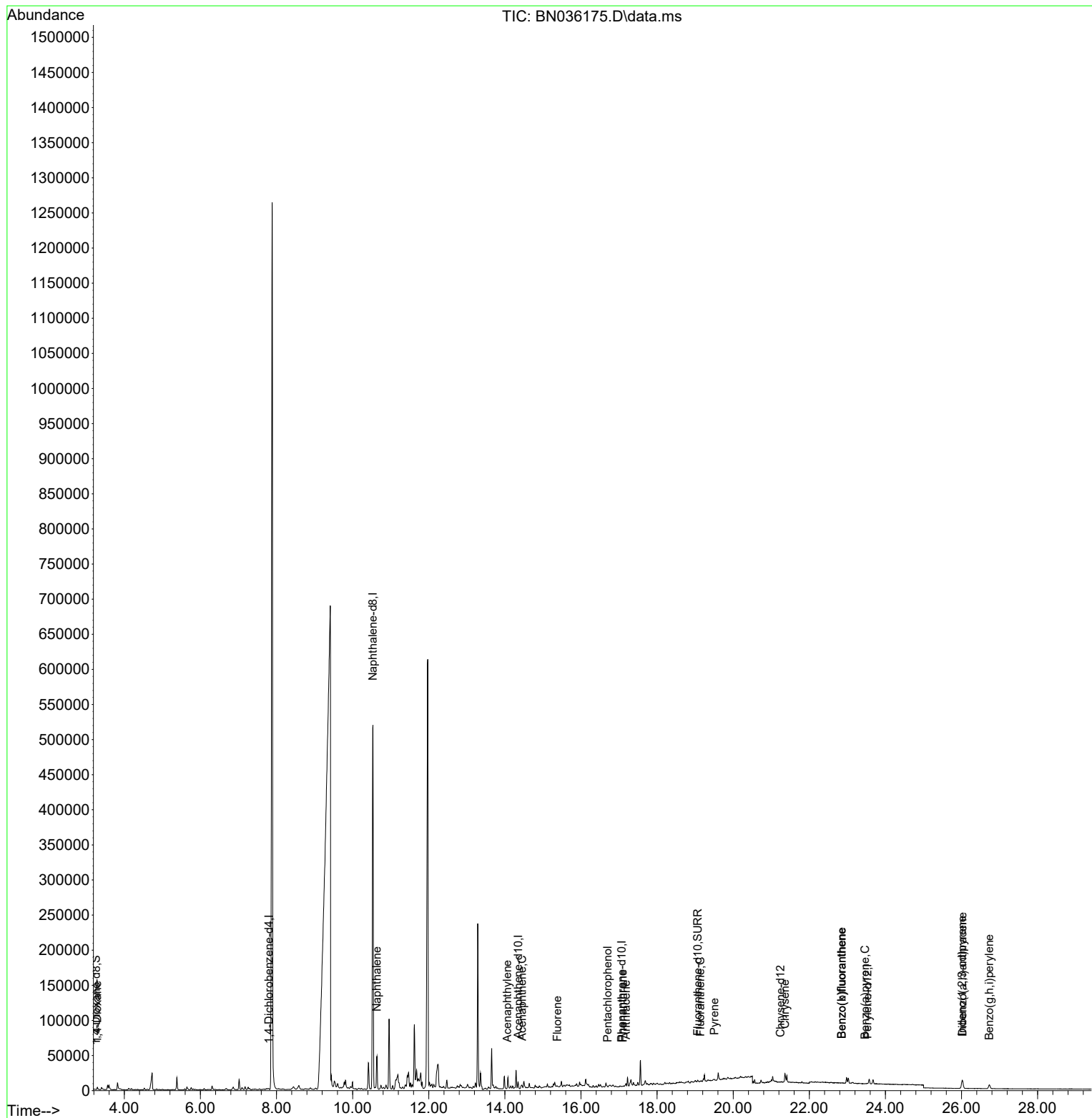
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.795	152	568	0.400	ng/ul	#-0.02
4) Naphthalene-d8	10.534	136	693597	0.400	ng/ul	#-0.07
9) Acenaphthene-d10	14.353	164	129	0.400	ng/ul	#-0.10
13) Phenanthrene-d10	17.073	188	106	0.400	ng/ul	#-0.12
17) Chrysene-d12	21.237	240	278	0.400	ng/ul	#-0.13
23) Perylene-d12	23.526	264	872	0.400	ng/ul	#-0.14
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.255	96	208	0.334	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	12.134	152	218	0.000	ng/ul	-0.07
18) Fluoranthene-d10	19.066	212	5302	6.940	ng/ul	-0.15
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.289	88	566	0.853	ng/ul#	1
5) Naphthalene	10.638	128	61682	0.032	ng/ul	98
10) Acenaphthylene	14.061	152	335	0.551	ng/ul#	1
11) Acenaphthene	14.450	153	405	0.905	ng/ul#	62
12) Fluorene	15.380	166	169	0.342	ng/ul#	13
14) Pentachlorophenol	16.701	266	7	0.189	ng/ul#	1
15) Phenanthrene	17.098	178	189	0.609	ng/ul#	1
16) Anthracene	17.183	178	1078	3.737	ng/ul#	1
19) Fluoranthene	19.136	202	274	0.259	ng/ul#	1
20) Pyrene	19.503	202	985	0.893	ng/ul#	1
22) Chrysene	21.360	228	7501	7.399	ng/ul#	59
24) Benzo(b)fluoranthene	22.850	252	429	0.147	ng/ul#	1
25) Benzo(k)fluoranthene	22.850	252	429	0.140	ng/ul#	1
26) Benzo(a)pyrene	23.464	252	163	0.062	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.015	276	11942	3.436	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.028	278	9794	3.656	ng/ul#	79
29) Benzo(g,h,i)perylene	26.729	276	8532	3.160	ng/ul	92

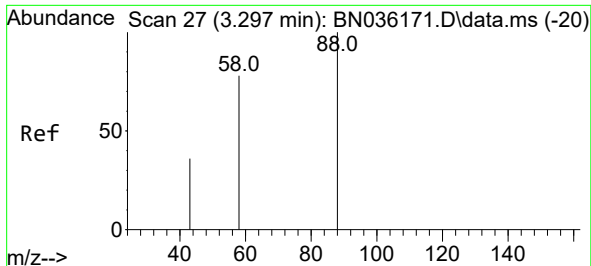
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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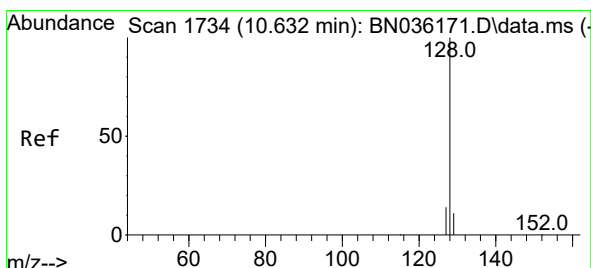
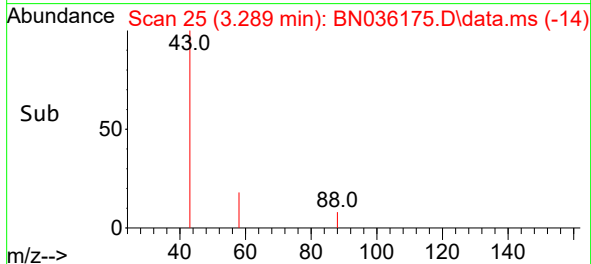
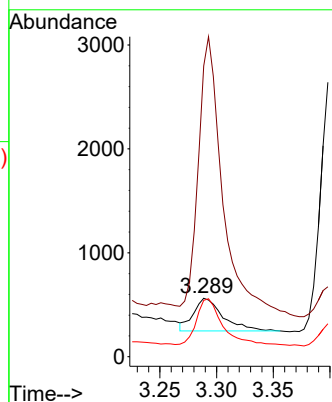
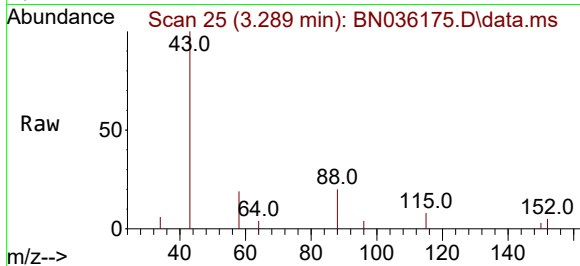




#2
 1,4-Dioxane
 Concen: 0.853 ng/ul
 RT: 3.289 min Scan# 21
 Delta R.T. -0.025 min
 Lab File: BN036175.D
 Acq: 31 Jan 2025 19:27

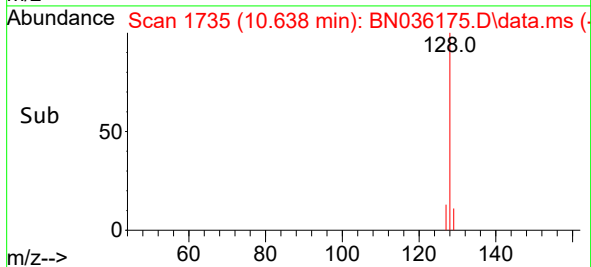
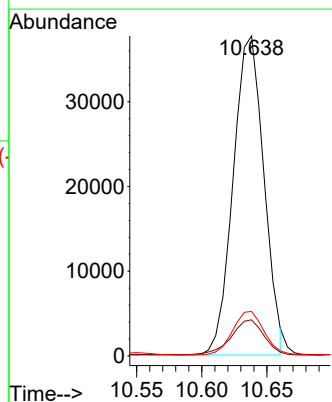
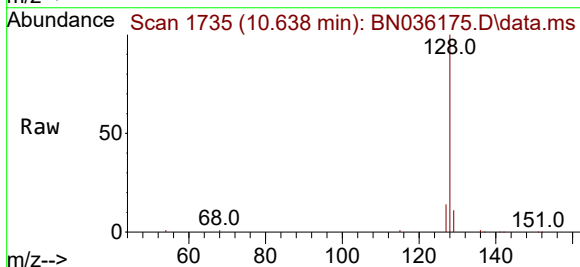
Instrument :
 BNA_P
 ClientSampleId :
 E2964MSD

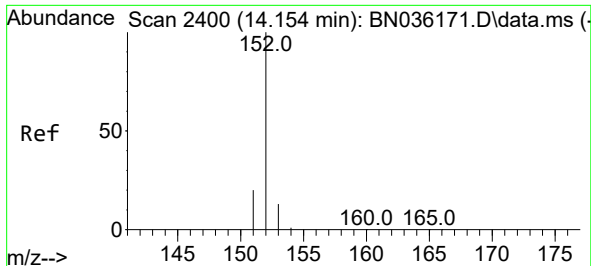
Tgt Ion: 88 Resp: 566
 Ion Ratio Lower Upper
 88 100
 43 497.9 40.7 61.1#
 58 96.6 55.2 82.8#



#5
 Naphthalene
 Concen: 0.032 ng/ul
 RT: 10.638 min Scan# 1735
 Delta R.T. -0.017 min
 Lab File: BN036175.D
 Acq: 31 Jan 2025 19:27

Tgt Ion: 128 Resp: 61682
 Ion Ratio Lower Upper
 128 100
 129 11.3 9.6 14.4
 127 13.9 12.0 18.0

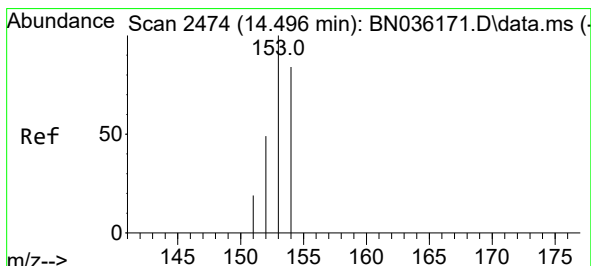
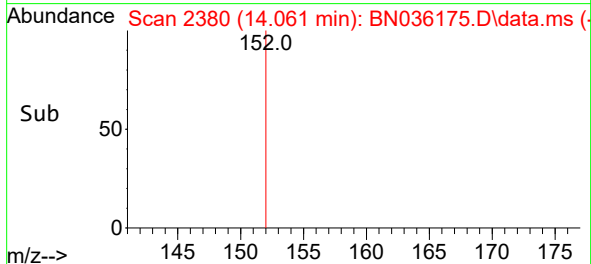
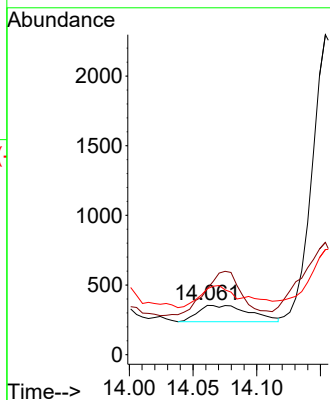
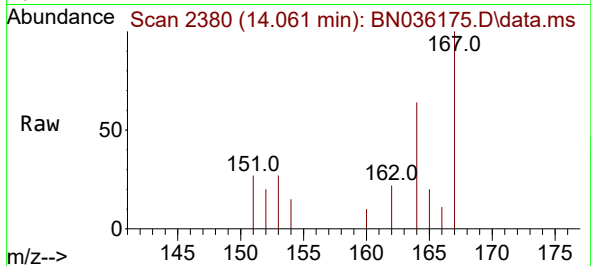




#10
Acenaphthylene
Concen: 0.551 ng/ul
RT: 14.061 min Scan# 21
Delta R.T. -0.106 min
Lab File: BN036175.D
Acq: 31 Jan 2025 19:27

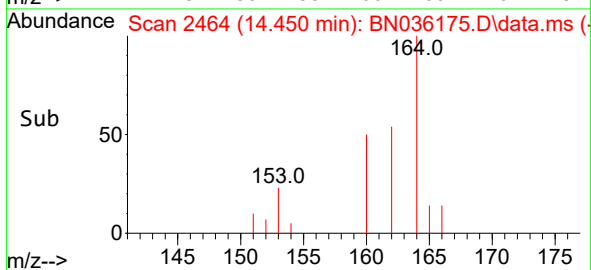
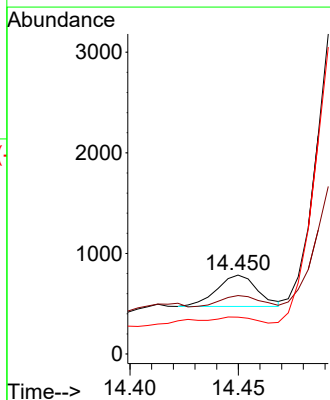
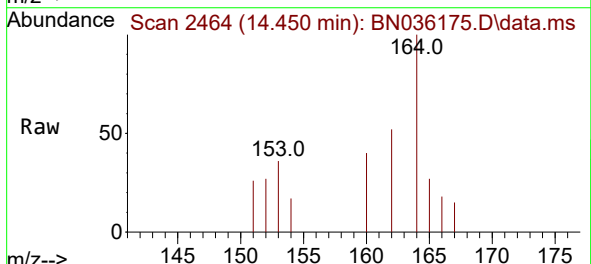
Instrument :
BNA_P
ClientSampleId :
E2964MSD

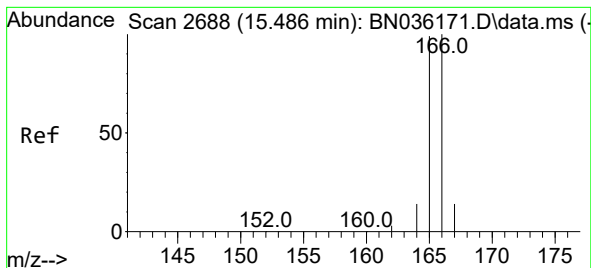
Tgt Ion:152 Resp: 335
Ion Ratio Lower Upper
152 100
151 133.9 17.4 26.2#
153 133.6 11.9 17.9#



#11
Acenaphthene
Concen: 0.905 ng/ul
RT: 14.450 min Scan# 2464
Delta R.T. -0.065 min
Lab File: BN036175.D
Acq: 31 Jan 2025 19:27

Tgt Ion:153 Resp: 405
Ion Ratio Lower Upper
153 100
152 74.1 43.2 64.8#
154 46.8 70.5 105.7#





#12

Fluorene

Concen: 0.342 ng/ul

RT: 15.380 min Scan# 20665

Delta R.T. -0.120 min

Lab File: BN036175.D

Acq: 31 Jan 2025 19:27

Instrument :

BNA_P

ClientSampleId :

E2964MSD

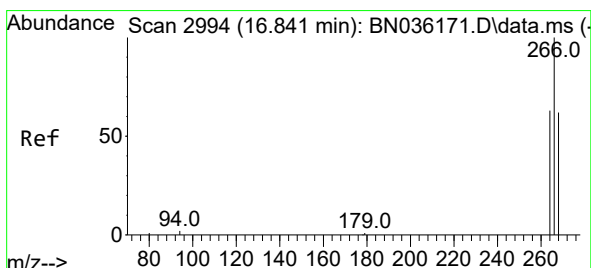
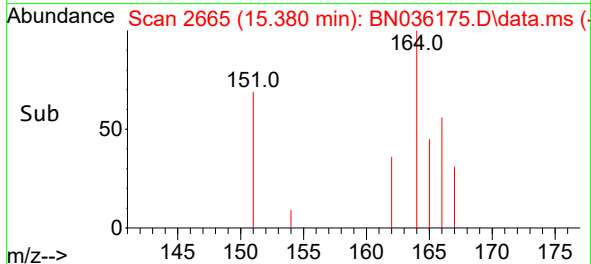
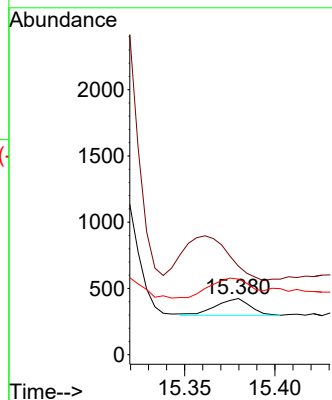
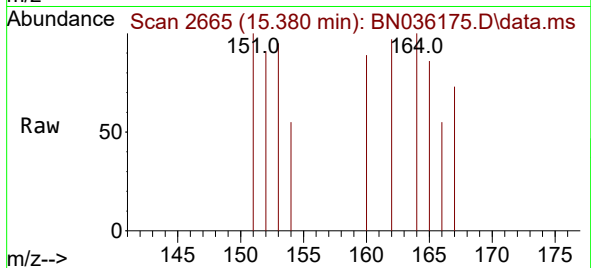
Tgt Ion:166 Resp: 169

Ion Ratio Lower Upper

166 100

165 157.5 80.3 120.5#

167 134.4 12.3 18.5#



#14

Pentachlorophenol

Concen: 0.189 ng/ul

RT: 16.701 min Scan# 2961

Delta R.T. -0.139 min

Lab File: BN036175.D

Acq: 31 Jan 2025 19:27

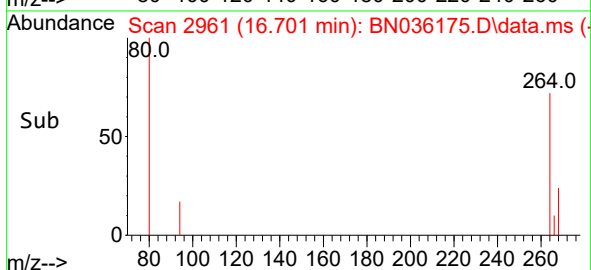
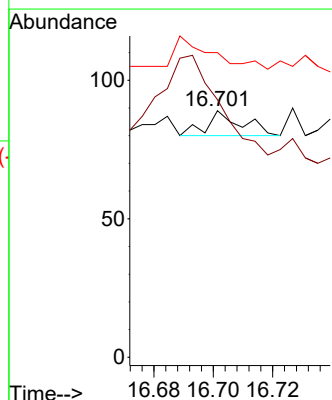
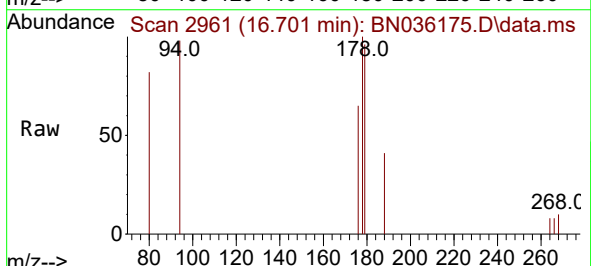
Tgt Ion:266 Resp: 7

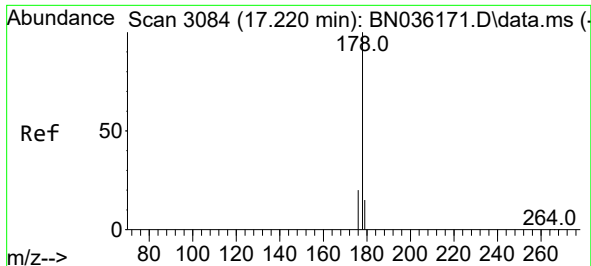
Ion Ratio Lower Upper

266 100

264 1171.4 50.6 75.8#

268 200.0 50.6 75.8#

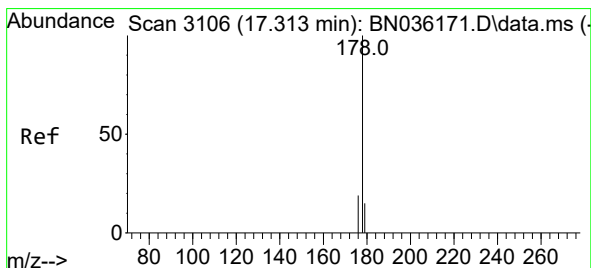
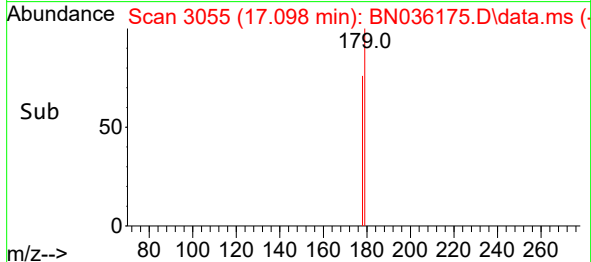
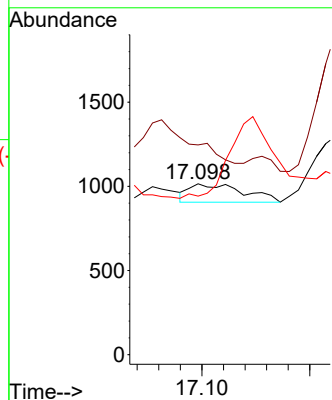
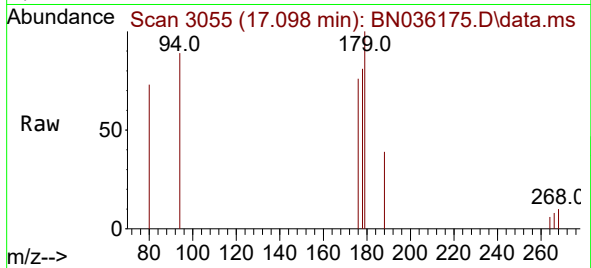




#15
Phenanthrene
Concen: 0.609 ng/ul
RT: 17.098 min Scan# 3084
Delta R.T. -0.135 min
Lab File: BN036175.D
Acq: 31 Jan 2025 19:27

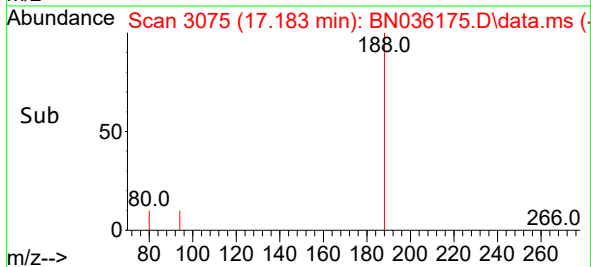
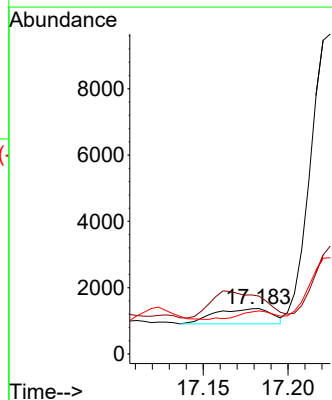
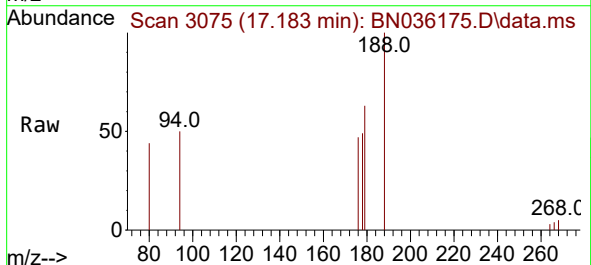
Instrument :
BNA_P
ClientSampleId :
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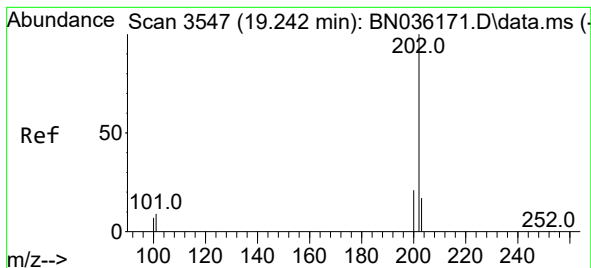
Tgt Ion:178 Resp: 189
Ion Ratio Lower Upper
178 100
179 122.8 13.2 19.8#
176 92.8 16.8 25.2#



#16
Anthracene
Concen: 3.737 ng/ul
RT: 17.183 min Scan# 3075
Delta R.T. -0.139 min
Lab File: BN036175.D
Acq: 31 Jan 2025 19:27

Tgt Ion:178 Resp: 1078
Ion Ratio Lower Upper
178 100
179 127.4 13.0 19.4#
176 94.9 15.9 23.9#





#19

Fluoranthene

Concen: 0.259 ng/ul

RT: 19.136 min Scan# 3

Delta R.T. -0.111 min

Lab File: BN036175.D

Acq: 31 Jan 2025 19:27

Instrument :

BNA_P

ClientSampleId :

E2964MSD

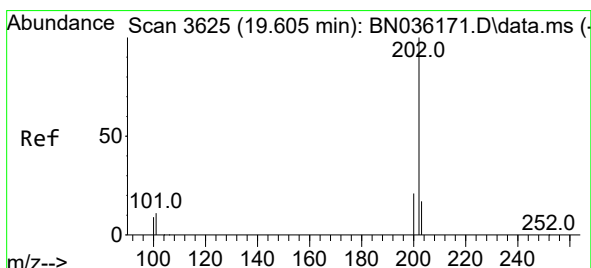
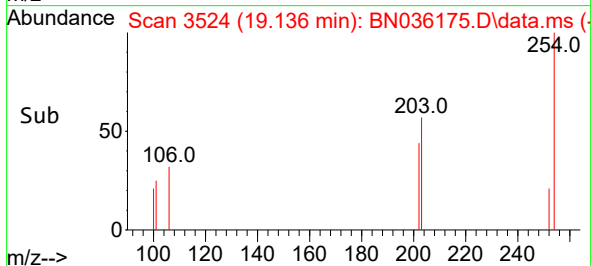
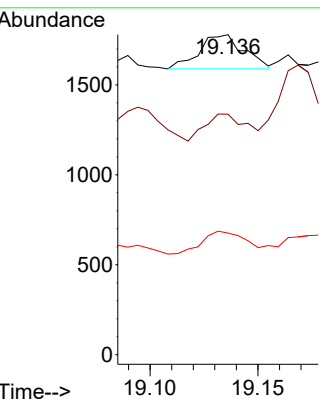
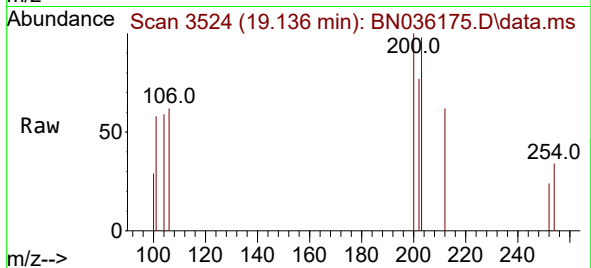
Tgt Ion:202 Resp: 274

Ion Ratio Lower Upper

202 100

101 75.2 8.4 12.6#

100 38.0 6.5 9.7#



#20

Pyrene

Concen: 0.893 ng/ul

RT: 19.503 min Scan# 3603

Delta R.T. -0.107 min

Lab File: BN036175.D

Acq: 31 Jan 2025 19:27

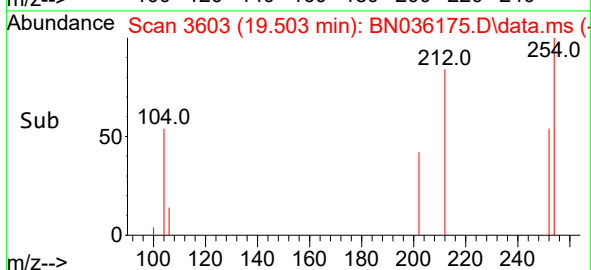
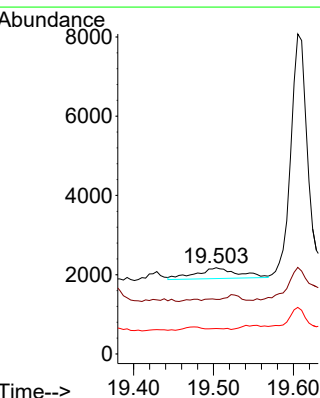
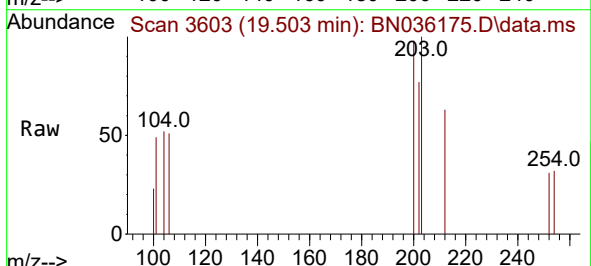
Tgt Ion:202 Resp: 985

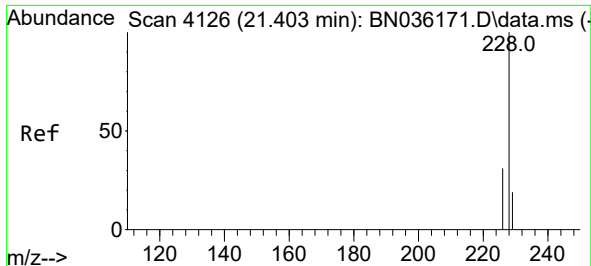
Ion Ratio Lower Upper

202 100

101 63.2 9.3 13.9#

100 29.5 7.5 11.3#





#22

Chrysene

Concen: 7.399 ng/ul

RT: 21.360 min Scan# 4111

Delta R.T. -0.046 min

Lab File: BN036175.D

Acq: 31 Jan 2025 19:27

Instrument :

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ClientSampleId :

E2964MSD

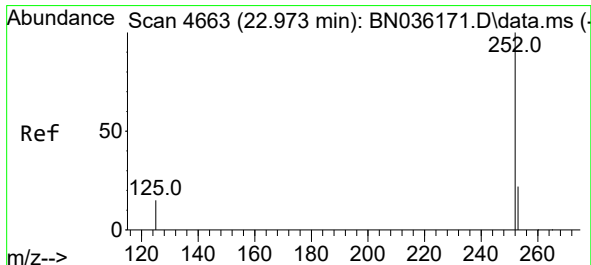
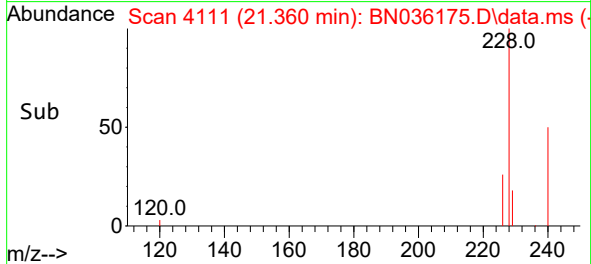
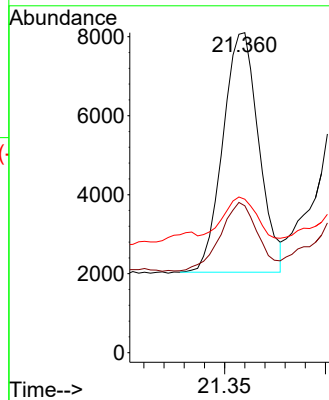
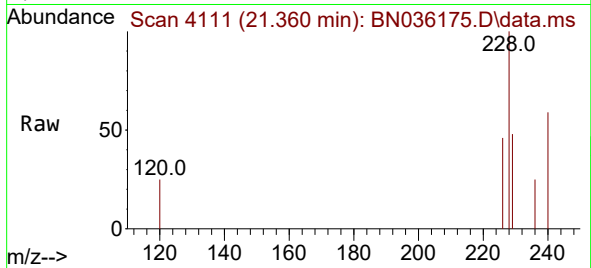
Tgt Ion:228 Resp: 7501

Ion Ratio Lower Upper

228 100

226 45.9 24.4 36.6#

229 48.0 15.9 23.9#



#24

Benzo(b)fluoranthene

Concen: 0.147 ng/ul

RT: 22.850 min Scan# 4621

Delta R.T. -0.122 min

Lab File: BN036175.D

Acq: 31 Jan 2025 19:27

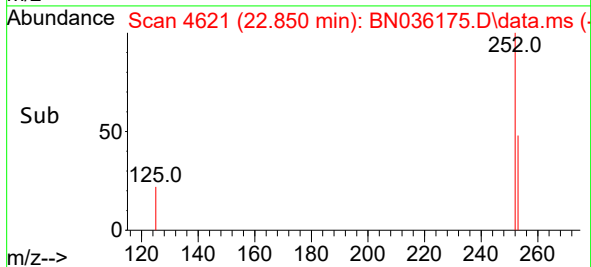
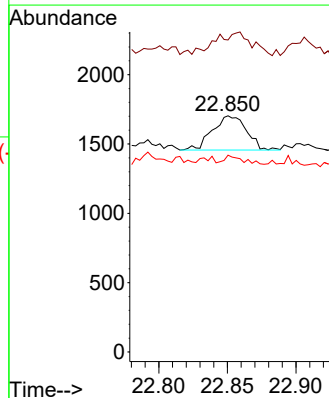
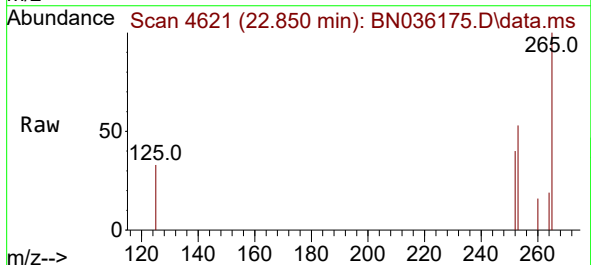
Tgt Ion:252 Resp: 429

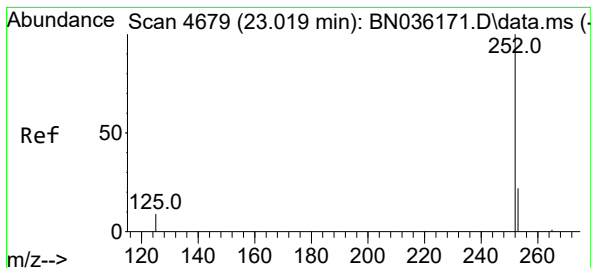
Ion Ratio Lower Upper

252 100

253 132.1 0.0 51.2#

125 83.3 0.0 27.8#





#25

Benzo(k)fluoranthene

Concen: 0.140 ng/ul

RT: 22.850 min Scan# 41

Delta R.T. -0.169 min

Lab File: BN036175.D

Acq: 31 Jan 2025 19:27

Instrument :

BNA_P

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E2964MSD

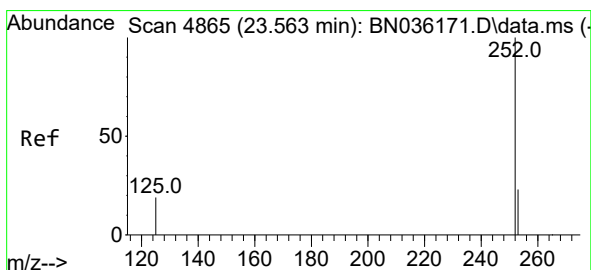
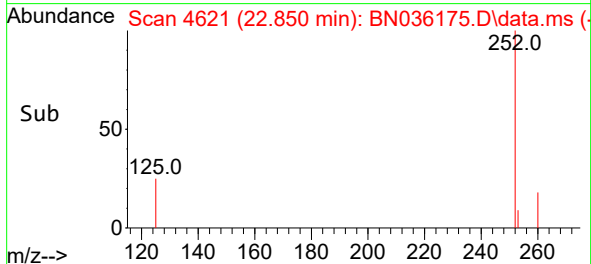
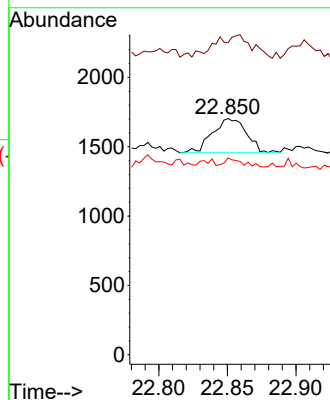
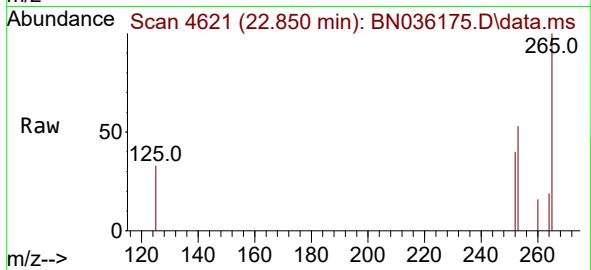
Tgt Ion:252 Resp: 429

Ion Ratio Lower Upper

252 100

253 132.1 20.2 30.4#

125 83.3 10.6 16.0#



#26

Benzo(a)pyrene

Concen: 0.062 ng/ul

RT: 23.464 min Scan# 4831

Delta R.T. -0.099 min

Lab File: BN036175.D

Acq: 31 Jan 2025 19:27

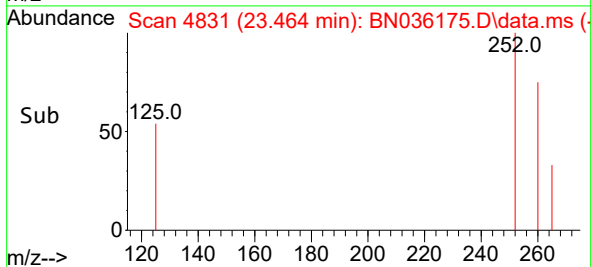
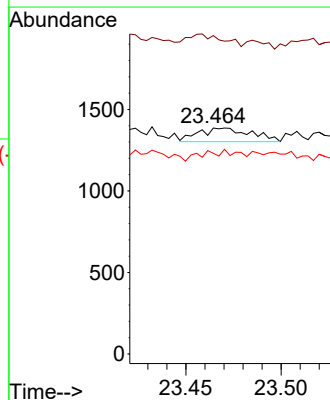
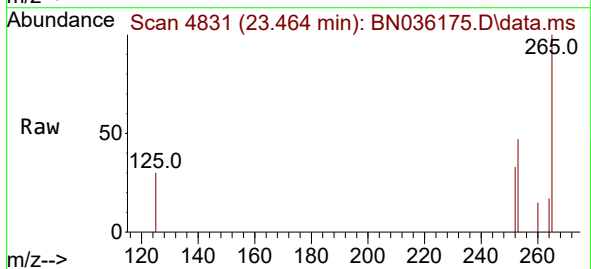
Tgt Ion:252 Resp: 163

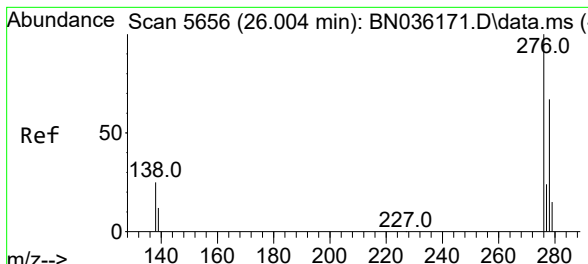
Ion Ratio Lower Upper

252 100

253 140.9 22.2 33.4#

125 88.8 13.1 19.7#

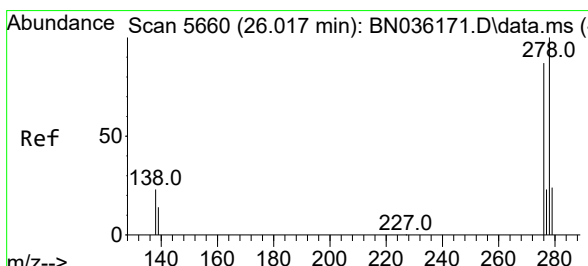
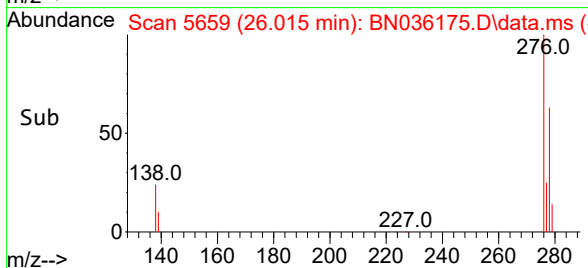
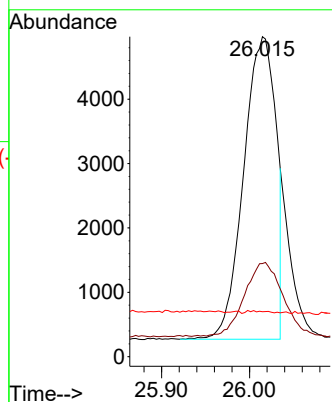
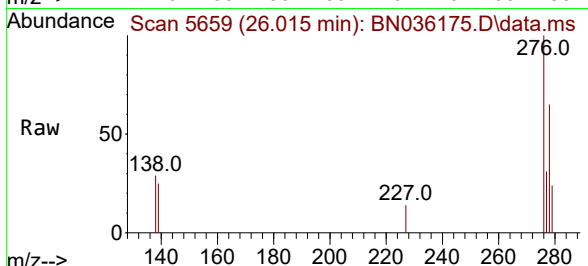




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 3.436 ng/ul
 RT: 26.015 min Scan# 5659
 Delta R.T. 0.010 min
 Lab File: BN036175.D
 Acq: 31 Jan 2025 19:27

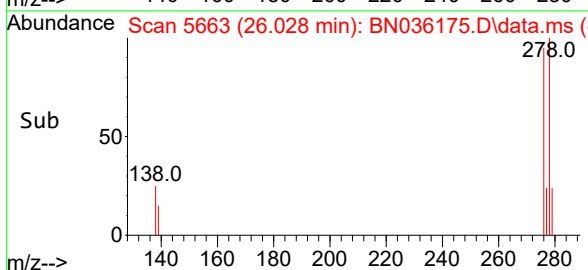
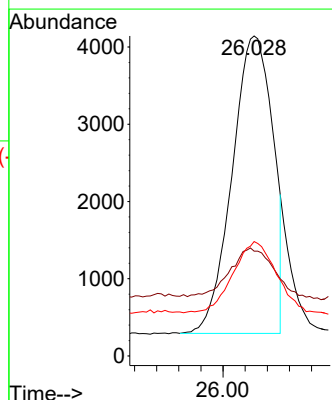
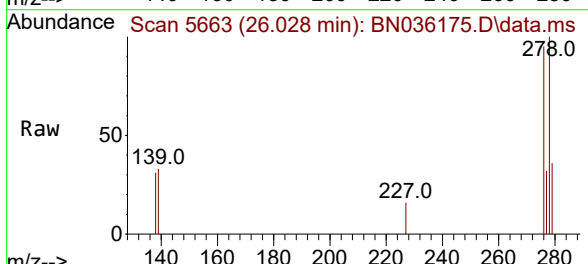
Instrument :
 BNA_P
 ClientSampleId :
 E2964MSD

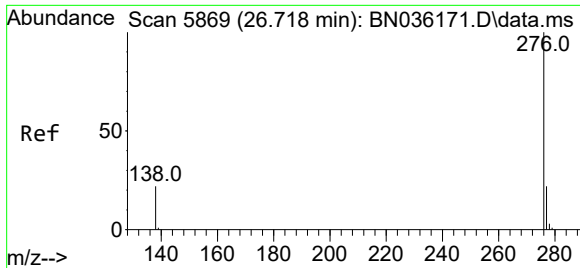
Tgt Ion:276 Resp: 11942
 Ion Ratio Lower Upper
 276 100
 138 24.1 20.2 30.4
 227 0.0 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 3.656 ng/ul
 RT: 26.028 min Scan# 5663
 Delta R.T. 0.007 min
 Lab File: BN036175.D
 Acq: 31 Jan 2025 19:27

Tgt Ion:278 Resp: 9794
 Ion Ratio Lower Upper
 278 100
 139 32.8 15.4 23.2#
 279 35.7 22.2 33.4#





#29
Benzo(g,h,i)perylene
Concen: 3.160 ng/ul
RT: 26.729 min Scan# 5872
Delta R.T. 0.010 min
Lab File: BN036175.D
Acq: 31 Jan 2025 19:27

Instrument :
BNA_P
ClientSampleId :
E2964MSD

Tgt Ion:276 Resp: 8532
Ion Ratio Lower Upper
276 100
138 27.5 19.4 29.0
277 31.0 21.1 31.7

