

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
 Data File : BN025235.D
 Acq On : 03 May 2023 11:11
 Operator : CG/JU
 Sample : 02419-24
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW921

Quant Time: May 04 04:28:40 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN042023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 15:28:32 2023
 Response via : Initial Calibration

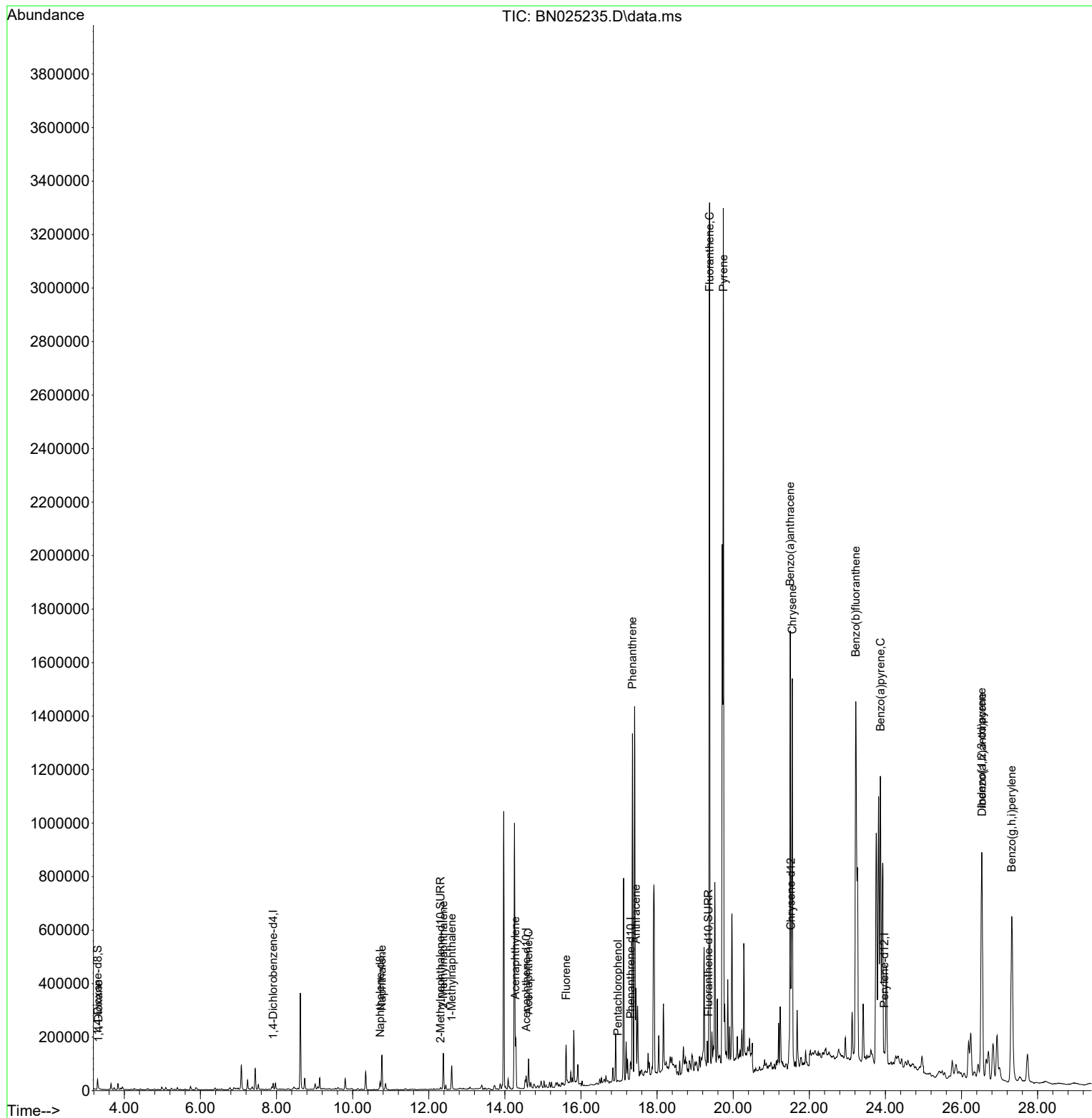
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.913	152	11259	0.400	ng/ul	0.00
4) Naphthalene-d8	10.721	136	37219	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.562	164	26305	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.310	188	104978	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.515	240	41025	0.400	ng/ul	# 0.01
23) Perylene-d12	23.971	264	33408	0.400	ng/ul	# 0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.297	96	24264	2.081	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.310	152	8695	0.182	ng/ul	0.00
18) Fluoranthene-d10	19.346	212	21841	0.202	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.318	88	319	0.025	ng/ul#	1
5) Naphthalene	10.770	128	118549	1.243	ng/ul	100
7) 2-Methylnaphthalene	12.382	142	92577	1.585	ng/ul	100
8) 1-Methylnaphthalene	12.602	142	60273	0.968	ng/ul	100
10) Acenaphthylene	14.280	152	111598	1.139	ng/ul#	89
11) Acenaphthene	14.622	153	62166	0.753	ng/ul	99
12) Fluorene	15.607	166	94419	1.022	ng/ul#	95
14) Pentachlorophenol	16.968	266	1934	0.094	ng/ul#	71
15) Phenanthrene	17.352	178	1323092	4.465	ng/ul	99
16) Anthracene	17.445	178	350911	1.448	ng/ul	97
19) Fluoranthene	19.378	202	2650780	17.868	ng/ul	100
20) Pyrene	19.741	202	2483901	16.296	ng/ul	97
21) Benzo(a)anthracene	21.498	228	1359900	11.000	ng/ul	96
22) Chrysene	21.553	228	1499010	11.116	ng/ul	96
24) Benzo(b)fluoranthene	23.222	252	3158809	23.305	ng/ul	94
26) Benzo(a)pyrene	23.868	252	1539682	13.730	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.532	276	1376879	10.656	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.538	278	336444	3.334	ng/ul#	88
29) Benzo(g,h,i)perylene	27.320	276	1388094	12.634	ng/ul	98

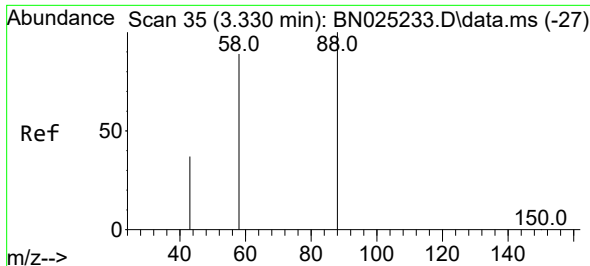
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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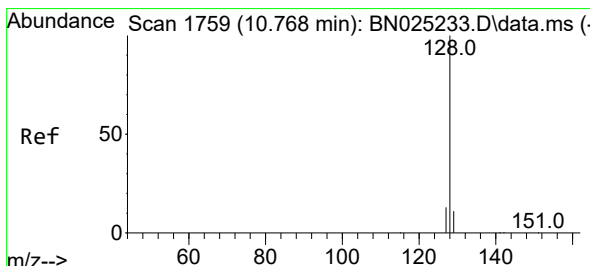
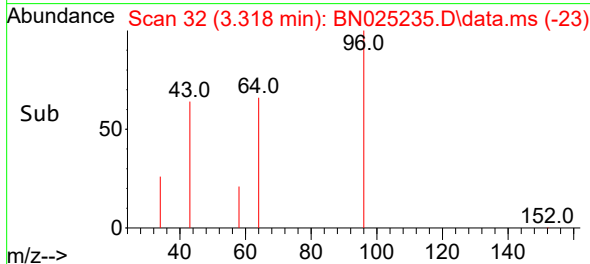
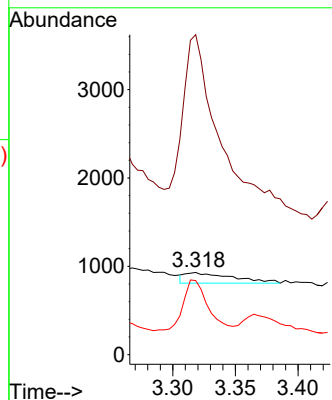
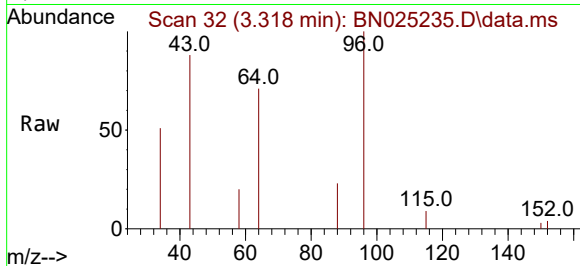




#2
1,4-Dioxane
Concen: 0.025 ng/ul
RT: 3.318 min Scan# 31
Delta R.T. -0.012 min
Lab File: BN025235.D
Acq: 03 May 2023 11:11

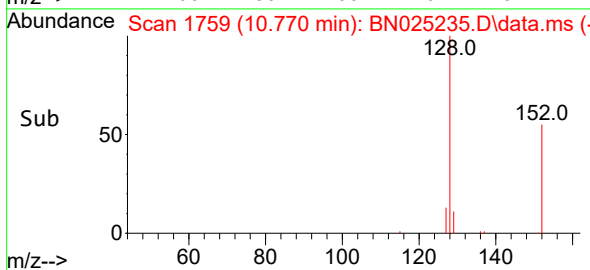
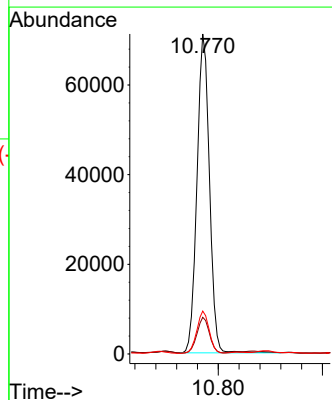
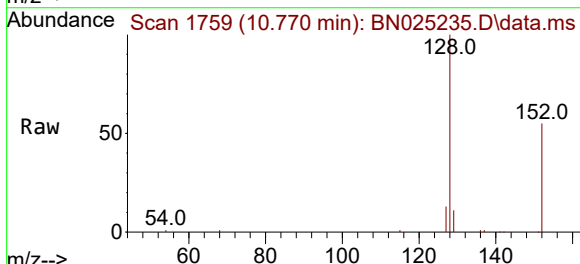
Instrument :
BNA_N
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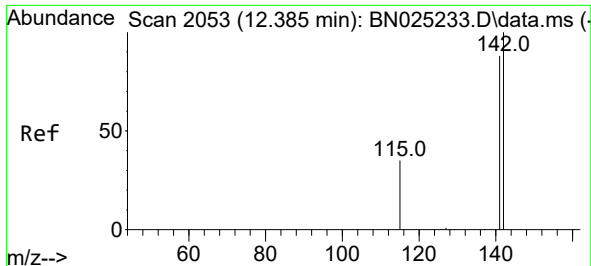
Tgt Ion: 88 Resp: 319
Ion Ratio Lower Upper
88 100
43 389.0 37.0 55.4#
58 90.0 56.9 85.3#



#5
Naphthalene
Concen: 1.243 ng/ul
RT: 10.770 min Scan# 1759
Delta R.T. 0.002 min
Lab File: BN025235.D
Acq: 03 May 2023 11:11

Tgt Ion:128 Resp: 118549
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.6
127 13.4 10.7 16.1

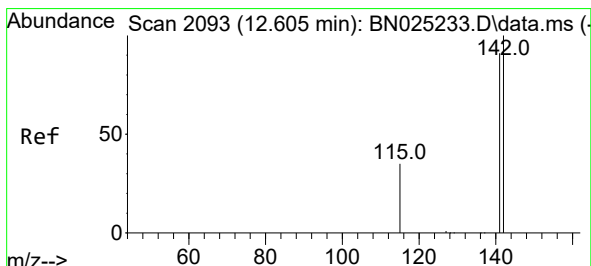
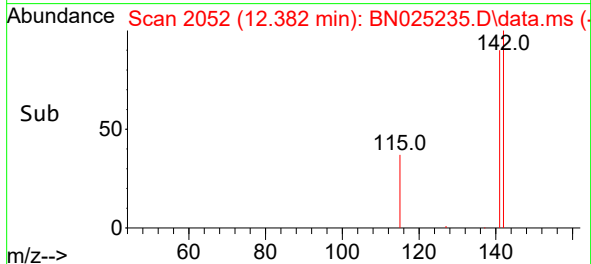
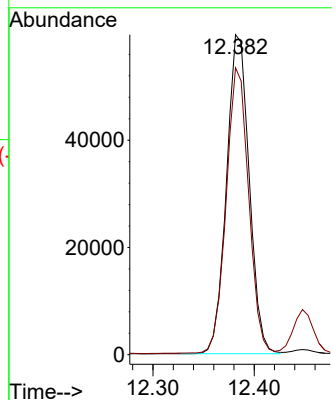
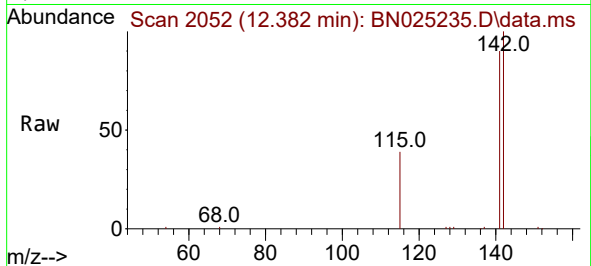




#7
2-Methylnaphthalene
Concen: 1.585 ng/ul
RT: 12.382 min Scan# 2052
Delta R.T. -0.004 min
Lab File: BN025235.D
Acq: 03 May 2023 11:11

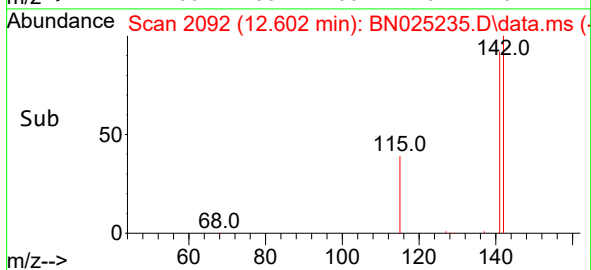
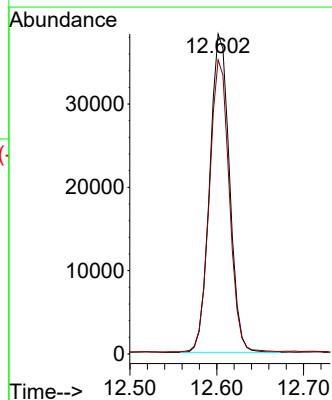
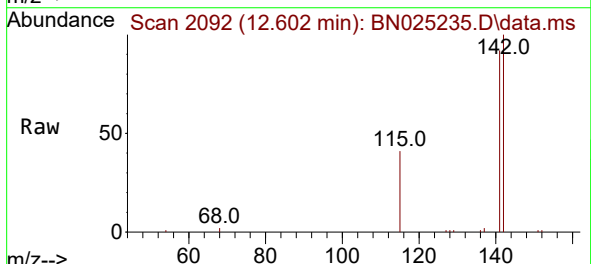
Instrument :
BNA_N
ClientSampleId :
EW921

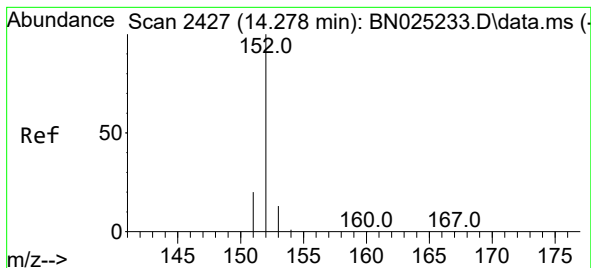
Tgt Ion:142 Resp: 92577
Ion Ratio Lower Upper
142 100
141 88.9 71.4 107.0



#8
1-Methylnaphthalene
Concen: 0.968 ng/ul
RT: 12.602 min Scan# 2092
Delta R.T. -0.004 min
Lab File: BN025235.D
Acq: 03 May 2023 11:11

Tgt Ion:142 Resp: 60273
Ion Ratio Lower Upper
142 100
141 92.6 73.8 110.6





#10

Acenaphthylene

Concen: 1.139 ng/ul

RT: 14.280 min Scan# 2427

Delta R.T. 0.002 min

Lab File: BN025235.D

Acq: 03 May 2023 11:11

Instrument :

BNA_N

ClientSampleId :

EW921

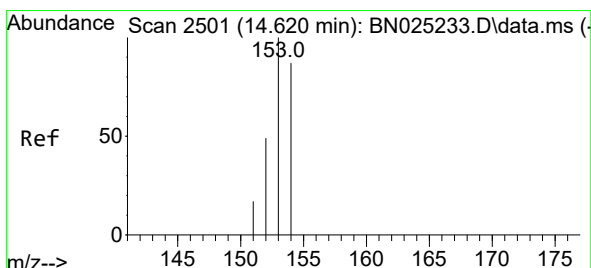
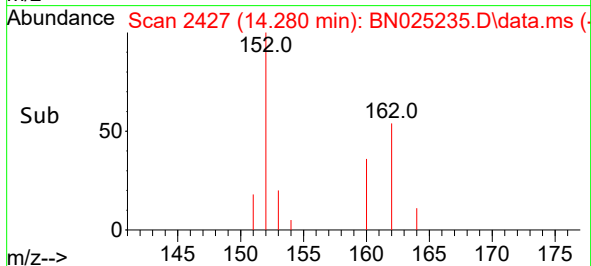
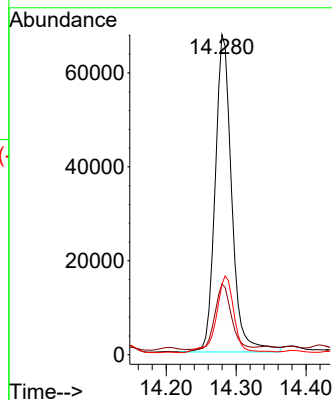
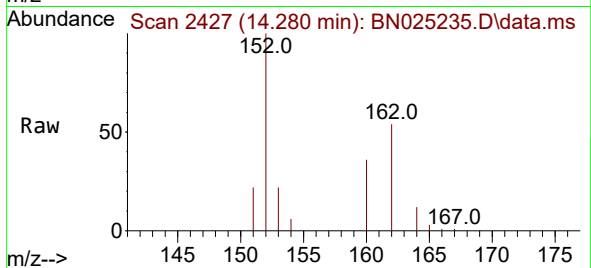
Tgt Ion:152 Resp: 111598

Ion Ratio Lower Upper

152 100

151 22.1 16.0 24.0

153 22.1 10.8 16.2#



#11

Acenaphthene

Concen: 0.753 ng/ul

RT: 14.622 min Scan# 2501

Delta R.T. 0.002 min

Lab File: BN025235.D

Acq: 03 May 2023 11:11

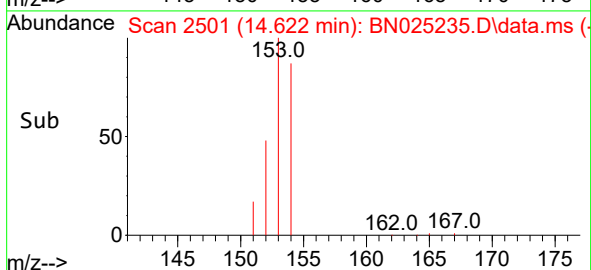
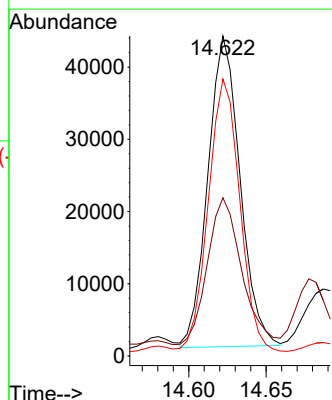
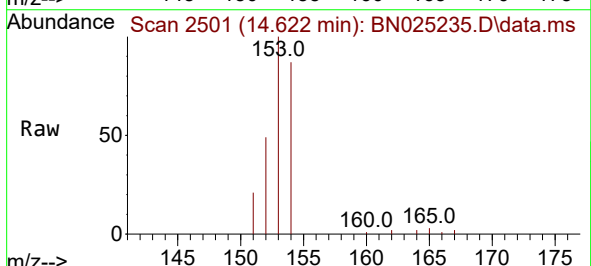
Tgt Ion:153 Resp: 62166

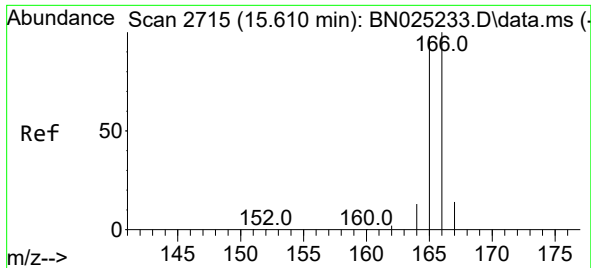
Ion Ratio Lower Upper

153 100

152 49.4 40.2 60.4

154 86.5 69.4 104.2

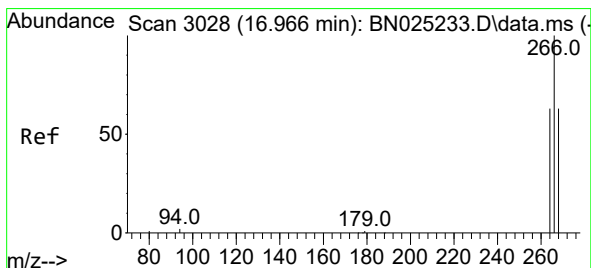
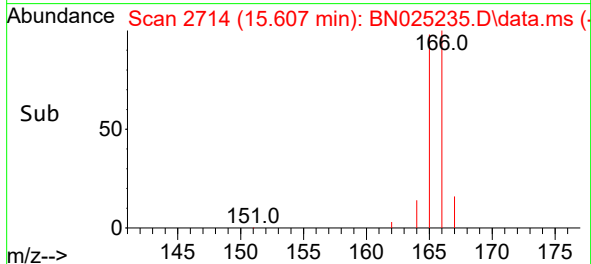
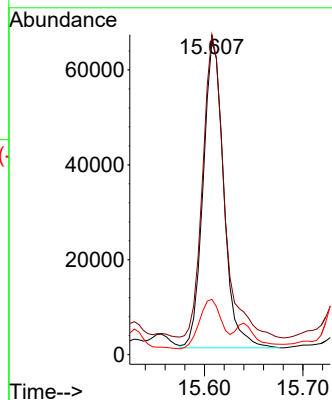
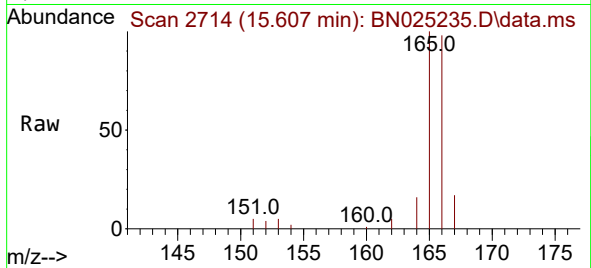




#12
Fluorene
Concen: 1.022 ng/ul
RT: 15.607 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN025235.D
Acq: 03 May 2023 11:11

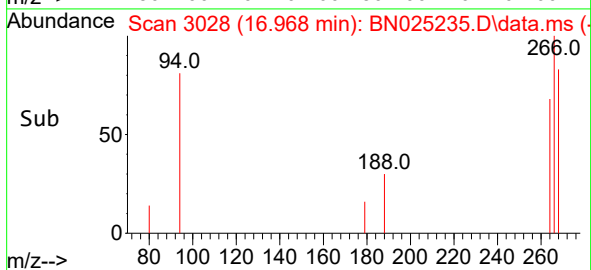
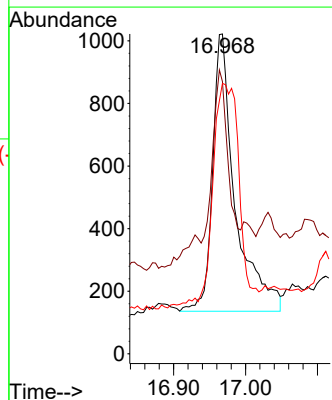
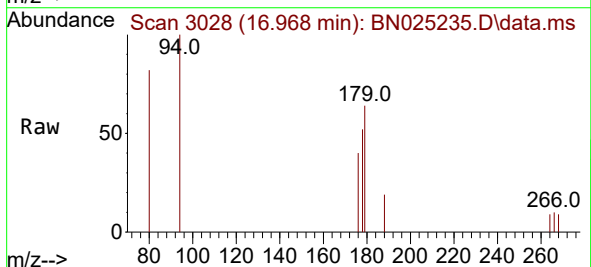
Instrument :
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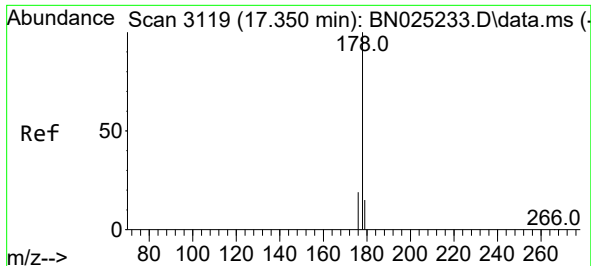
Tgt Ion:166 Resp: 94419
Ion Ratio Lower Upper
166 100
165 101.9 78.1 117.1
167 17.7 11.0 16.6#



#14
Pentachlorophenol
Concen: 0.094 ng/ul
RT: 16.968 min Scan# 3028
Delta R.T. 0.002 min
Lab File: BN025235.D
Acq: 03 May 2023 11:11

Tgt Ion:266 Resp: 1934
Ion Ratio Lower Upper
266 100
264 48.6 49.6 74.4#
268 95.5 51.3 76.9#

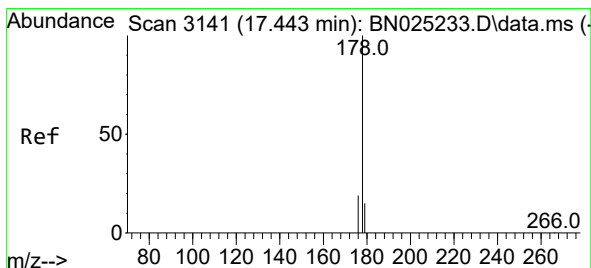
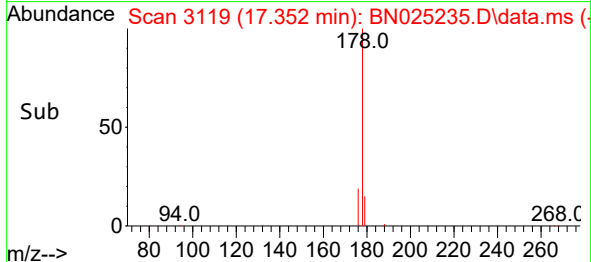
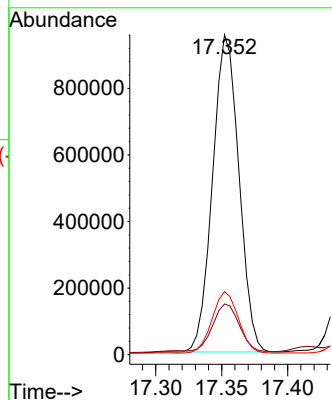
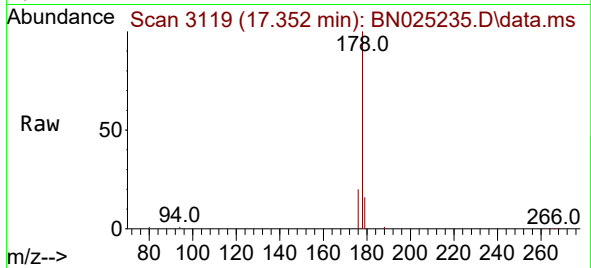




#15
Phenanthrene
Concen: 4.465 ng/ul
RT: 17.352 min Scan# 3119
Delta R.T. 0.002 min
Lab File: BN025235.D
Acq: 03 May 2023 11:11

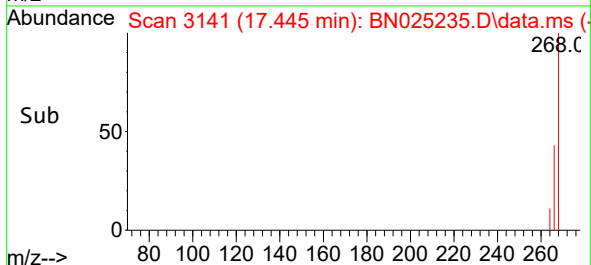
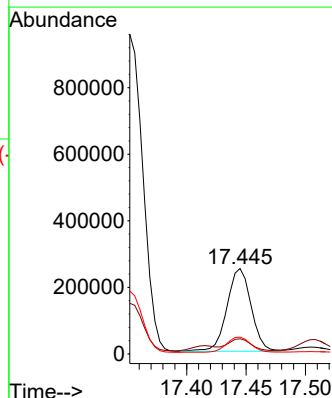
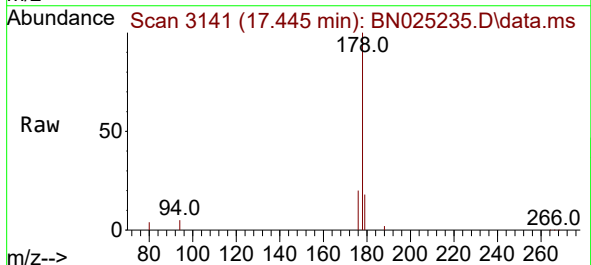
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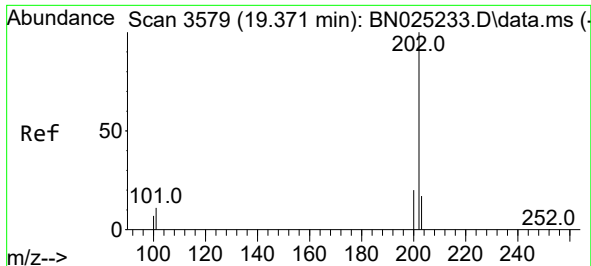
Tgt Ion:178 Resp: 1323092
Ion Ratio Lower Upper
178 100
179 15.9 12.5 18.7
176 19.7 15.6 23.4



#16
Anthracene
Concen: 1.448 ng/ul
RT: 17.445 min Scan# 3141
Delta R.T. 0.002 min
Lab File: BN025235.D
Acq: 03 May 2023 11:11

Tgt Ion:178 Resp: 350911
Ion Ratio Lower Upper
178 100
179 17.8 12.7 19.1
176 19.7 15.3 22.9

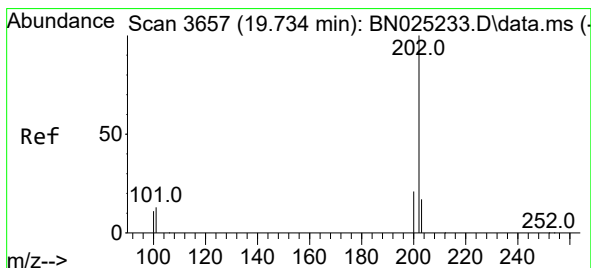
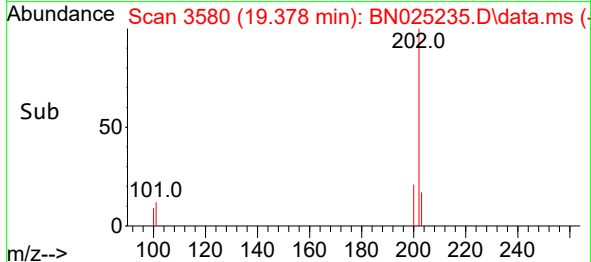
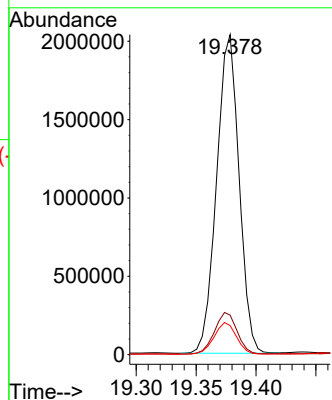
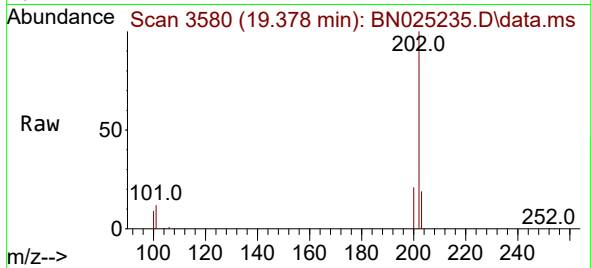




#19
Fluoranthene
Concen: 17.868 ng/ul
RT: 19.378 min Scan# 3580
Delta R.T. 0.007 min
Lab File: BN025235.D
Acq: 03 May 2023 11:11

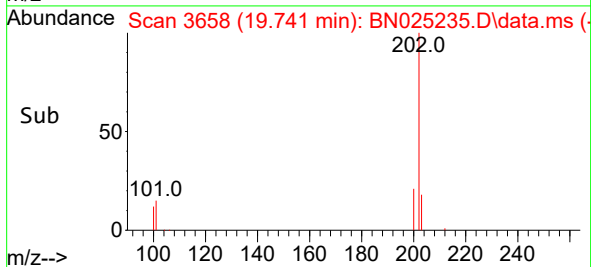
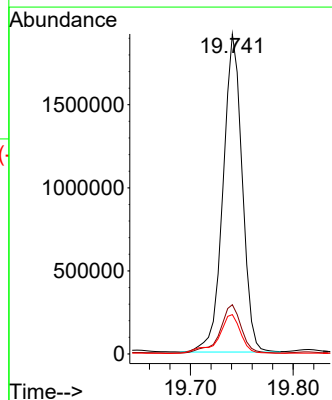
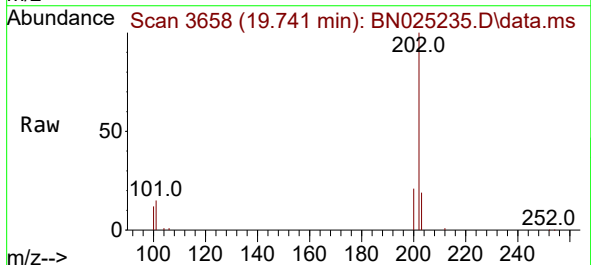
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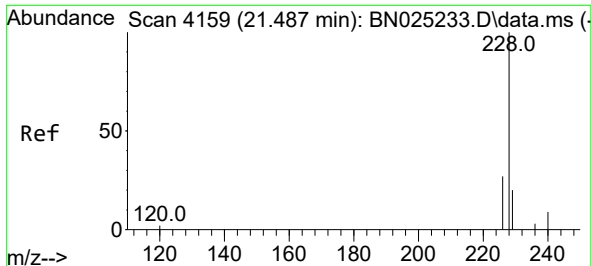
Tgt Ion:202 Resp: 2650780
Ion Ratio Lower Upper
202 100
101 12.3 9.7 14.5
100 9.1 7.3 10.9



#20
Pyrene
Concen: 16.296 ng/ul
RT: 19.741 min Scan# 3658
Delta R.T. 0.007 min
Lab File: BN025235.D
Acq: 03 May 2023 11:11

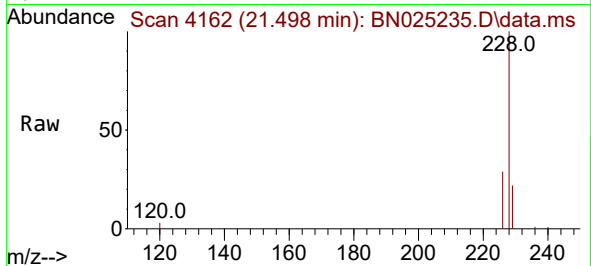
Tgt Ion:202 Resp: 2483901
Ion Ratio Lower Upper
202 100
101 15.4 11.3 16.9
100 12.3 9.2 13.8



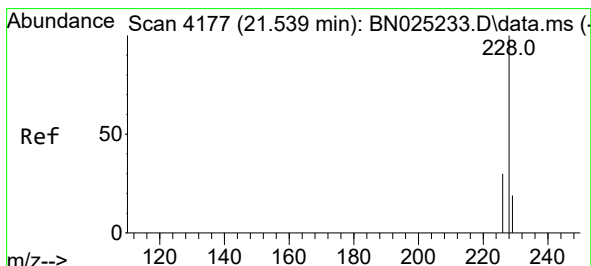
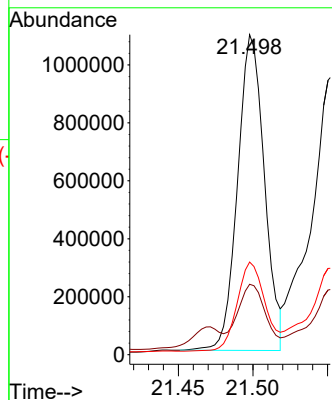
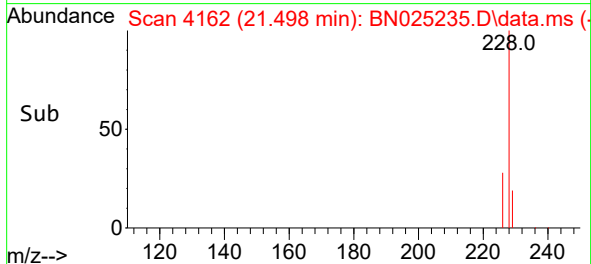


#21
Benzo(a)anthracene
Concen: 11.000 ng/ul
RT: 21.498 min Scan# 411
Delta R.T. 0.011 min
Lab File: BN025235.D
Acq: 03 May 2023 11:11

Instrument :
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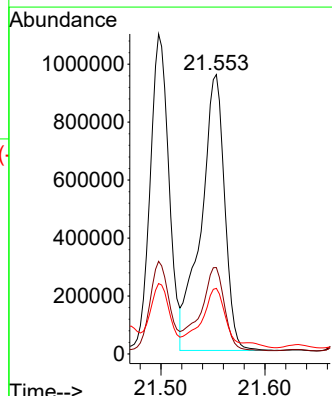
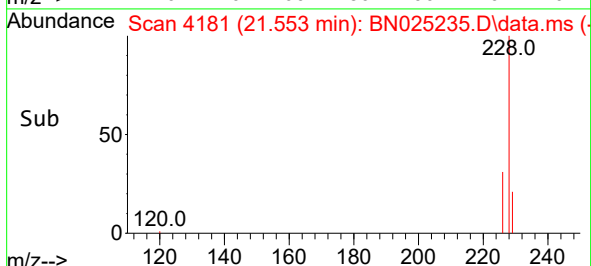
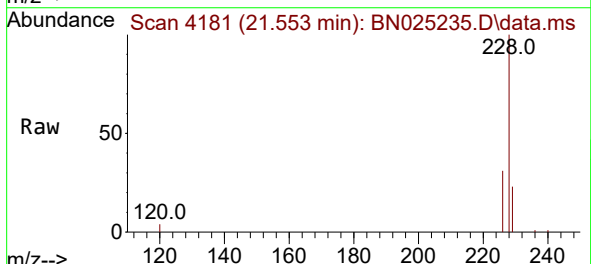


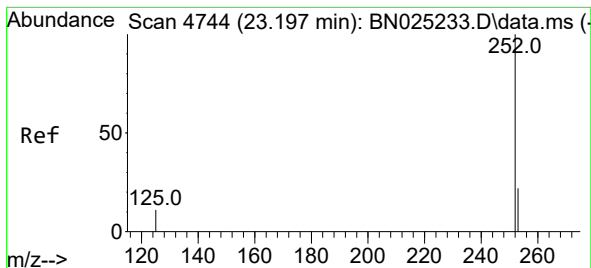
Tgt Ion:228 Resp: 1359900
Ion Ratio Lower Upper
228 100
229 22.0 15.6 23.4
226 29.0 22.1 33.1



#22
Chrysene
Concen: 11.116 ng/ul
RT: 21.553 min Scan# 4181
Delta R.T. 0.014 min
Lab File: BN025235.D
Acq: 03 May 2023 11:11

Tgt Ion:228 Resp: 1499010
Ion Ratio Lower Upper
228 100
226 30.9 24.5 36.7
229 23.5 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 23.305 ng/ul

RT: 23.222 min Scan# 41

Delta R.T. 0.026 min

Lab File: BN025235.D

Acq: 03 May 2023 11:11

Instrument :

BNA_N

ClientSampleId :

EW921

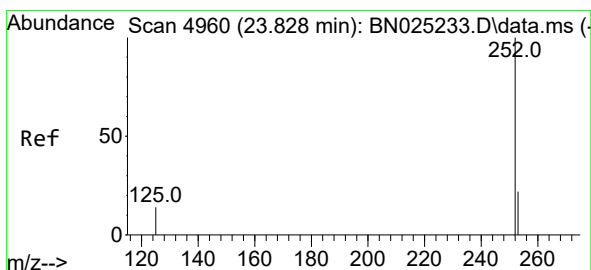
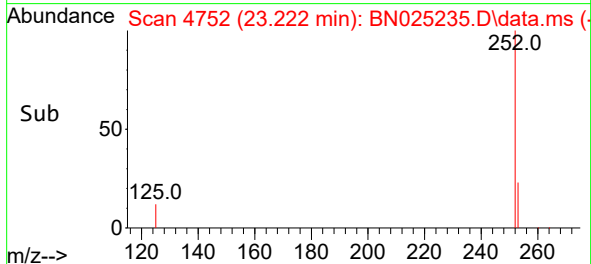
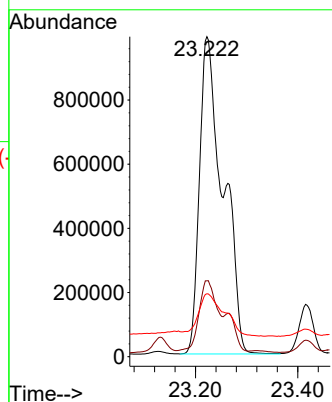
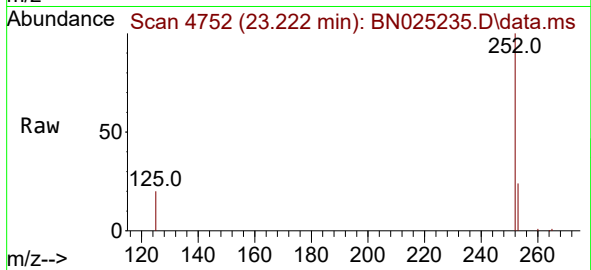
Tgt Ion:252 Resp: 3158809

Ion Ratio Lower Upper

252 100

253 23.7 0.0 50.2

125 19.7 0.0 30.4



#26

Benzo(a)pyrene

Concen: 13.730 ng/ul

RT: 23.868 min Scan# 4973

Delta R.T. 0.040 min

Lab File: BN025235.D

Acq: 03 May 2023 11:11

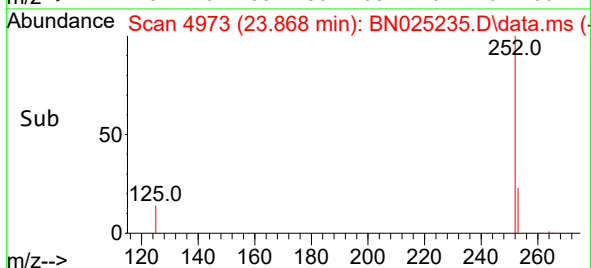
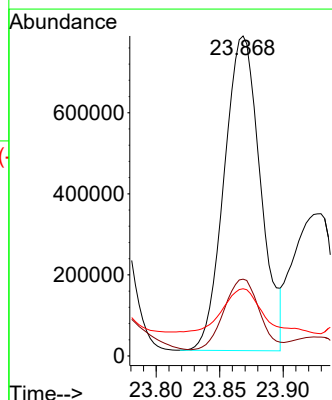
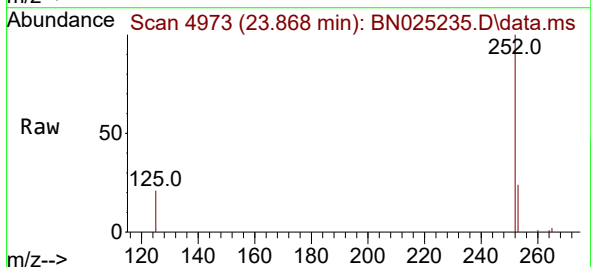
Tgt Ion:252 Resp: 1539682

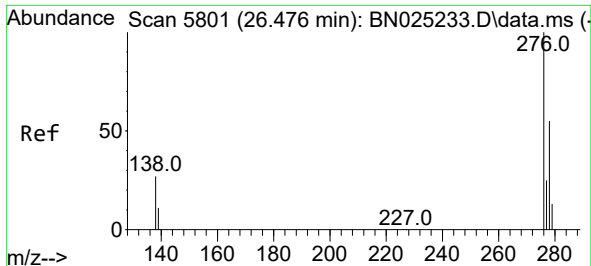
Ion Ratio Lower Upper

252 100

253 24.0 21.4 32.2

125 21.0 14.6 22.0

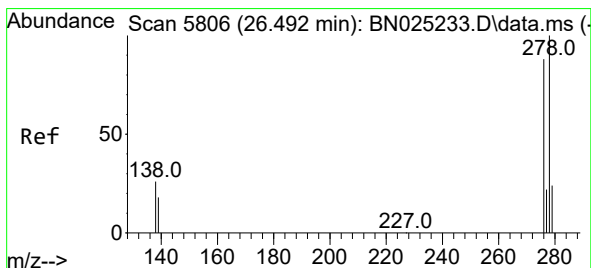
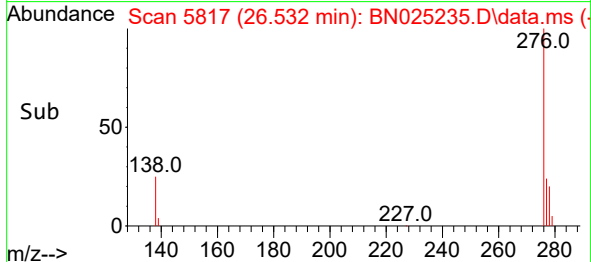
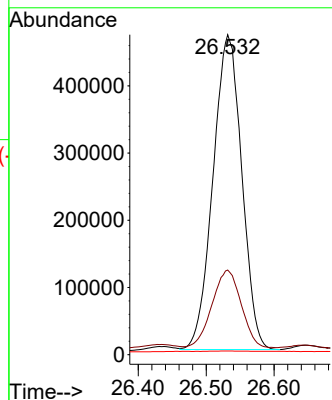
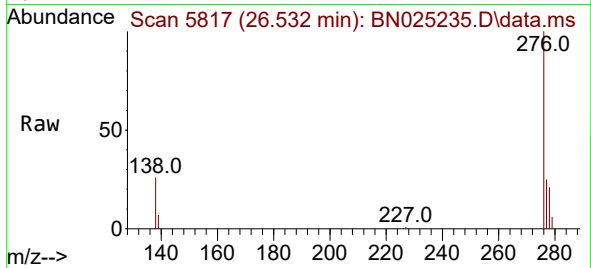




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 10.656 ng/ul
 RT: 26.532 min Scan# 5817
 Delta R.T. 0.056 min
 Lab File: BN025235.D
 Acq: 03 May 2023 11:11

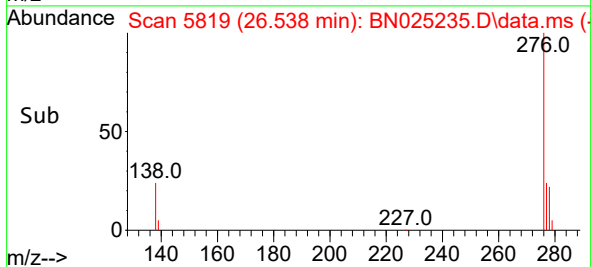
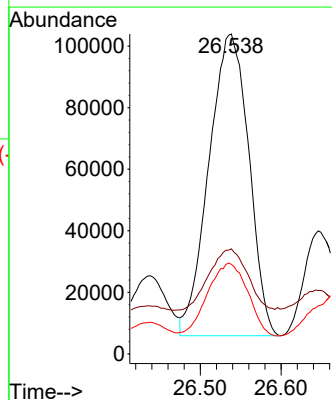
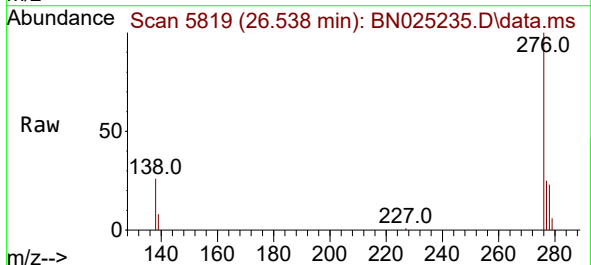
Instrument :
 BNA_N
 ClientSampleId :
 EW921

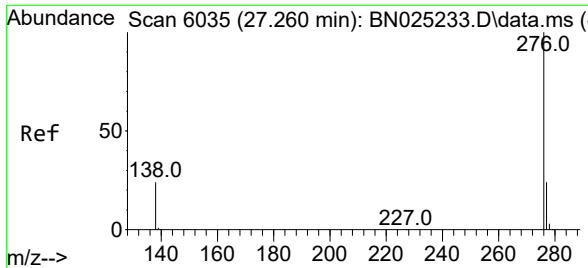
Tgt Ion:276 Resp: 1376879
 Ion Ratio Lower Upper
 276 100
 138 25.4 21.9 32.9
 227 0.4 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 3.334 ng/ul
 RT: 26.538 min Scan# 5819
 Delta R.T. 0.046 min
 Lab File: BN025235.D
 Acq: 03 May 2023 11:11

Tgt Ion:278 Resp: 336444
 Ion Ratio Lower Upper
 278 100
 139 32.9 17.0 25.6#
 279 28.0 21.8 32.8





#29
 Benzo(g,h,i)perylene
 Concen: 12.634 ng/ul
 RT: 27.320 min Scan# 60
 Delta R.T. 0.059 min
 Lab File: BN025235.D
 Acq: 03 May 2023 11:11

Instrument :
 BNA_N
 ClientSampleId :
 EW921

Tgt Ion:276 Resp: 1388094
 Ion Ratio Lower Upper
 276 100
 138 26.5 20.3 30.5
 277 24.0 19.8 29.6

