

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042723\
 Data File : BN025175.D
 Acq On : 27 Apr 2023 13:35
 Operator : CG/JU
 Sample : 02418-20MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW8Z5MS

Quant Time: Apr 28 01:20:36 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 : Thu Apr 27 15:27:43 2023
 Response via : Initial Calibration

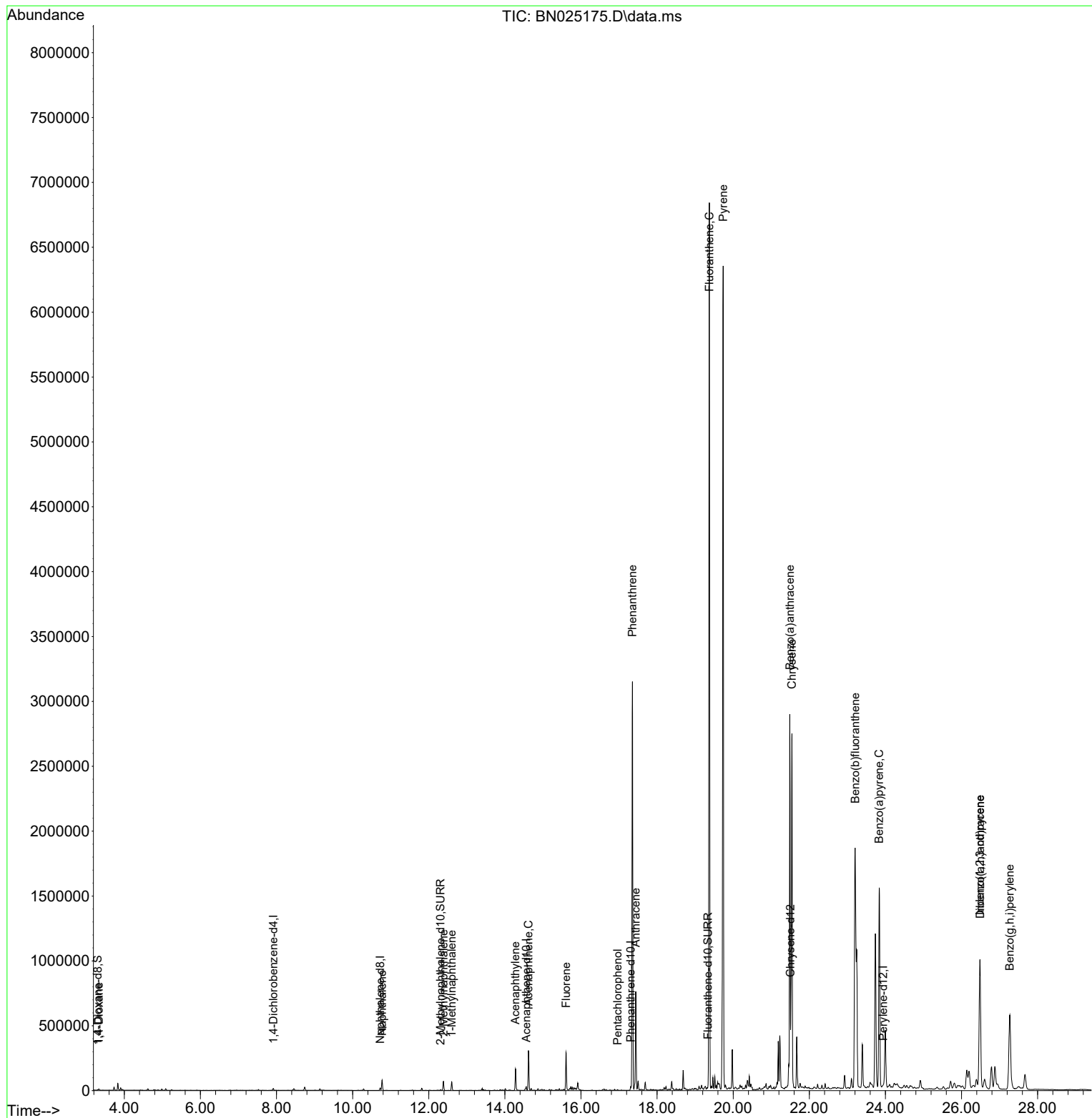
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.917	152	7596	0.400	ng/ul	0.00
4) Naphthalene-d8	10.720	136	25190	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.561	164	15332	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.309	188	33217	0.400	ng/ul	0.00
17) Chrysene-d12	21.505	240	25761	0.400	ng/ul	# 0.00
23) Perylene-d12	23.940	264	28150	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.297	96	2200	0.280	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.310	152	7159	0.221	ng/ul	0.00
18) Fluoranthene-d10	19.340	212	16816	0.248	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	5807	0.686	ng/ul#	71
5) Naphthalene	10.775	128	107892	1.672	ng/ul	99
7) 2-Methylnaphthalene	12.387	142	49234	1.245	ng/ul	100
8) 1-Methylnaphthalene	12.601	142	44679	1.060	ng/ul	100
10) Acenaphthylene	14.279	152	200410	3.509	ng/ul	100
11) Acenaphthene	14.621	153	173454	3.603	ng/ul	99
12) Fluorene	15.606	166	180035	3.345	ng/ul	99
14) Pentachlorophenol	16.958	266	2904	0.445	ng/ul	99
15) Phenanthrene	17.351	178	3318087	35.389	ng/ul	100
16) Anthracene	17.440	178	786384	10.252	ng/ul	99
19) Fluoranthene	19.372	202	5913150	63.475	ng/ul	96
20) Pyrene	19.735	202	5445467	56.894	ng/ul	97
21) Benzo(a)anthracene	21.488	228	2436931	31.393	ng/ul	97
22) Chrysene	21.543	228	2758207	32.572	ng/ul	98
24) Benzo(b)fluoranthene	23.203	252	4640206	40.629	ng/ul	95
26) Benzo(a)pyrene	23.838	252	2157632	22.834	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	26.484	276	1504661	13.820	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.487	278	368400	4.332	ng/ul	98
29) Benzo(g,h,i)perylene	27.268	276	1250462	13.507	ng/ul	99

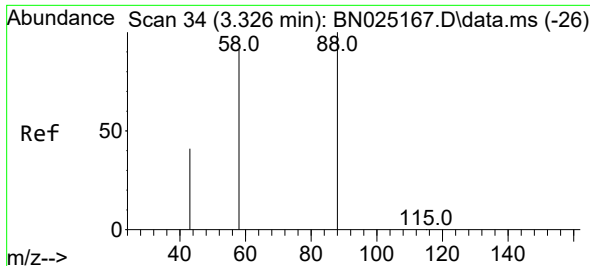
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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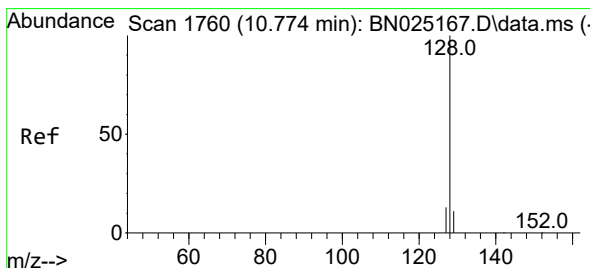
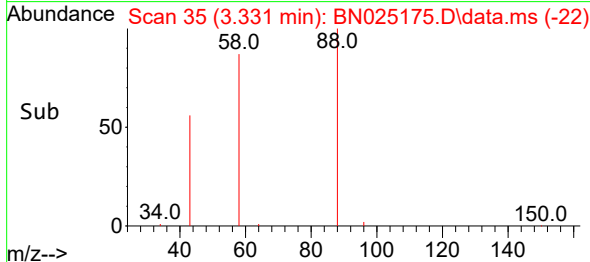
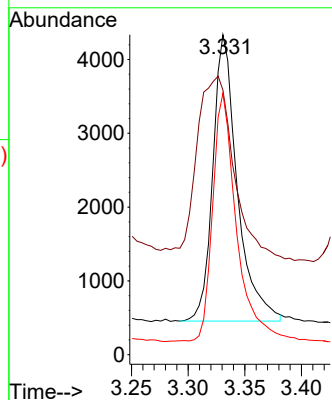
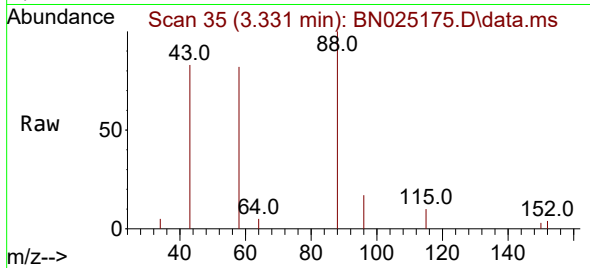




#2
1,4-Dioxane
Concen: 0.686 ng/ul
RT: 3.331 min Scan# 31
Delta R.T. 0.004 min
Lab File: BN025175.D
Acq: 27 Apr 2023 13:35

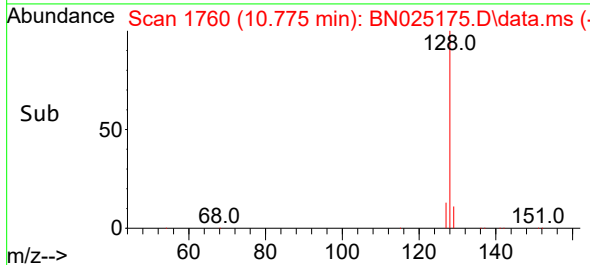
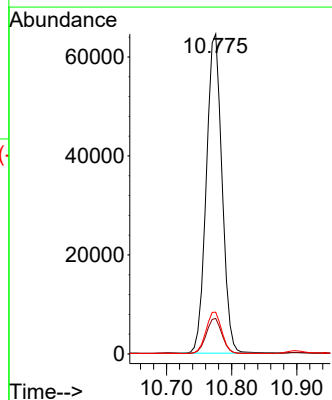
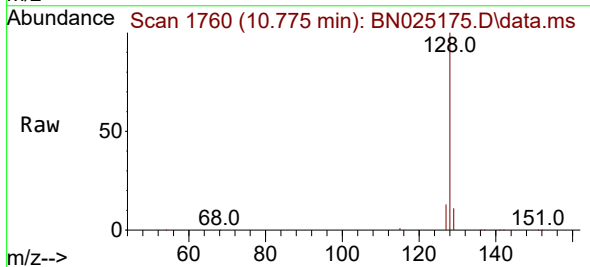
Instrument :
BNA_N
ClientSampleId :
EW8Z5MS

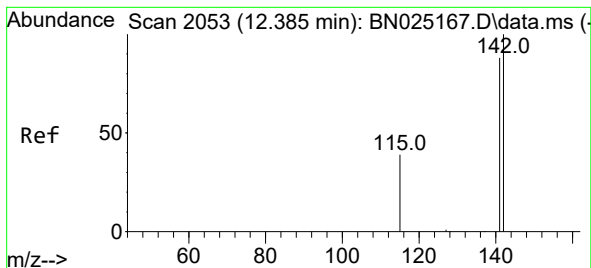
Tgt Ion: 88 Resp: 5807
Ion Ratio Lower Upper
88 100
43 82.7 37.0 55.4#
58 81.7 56.9 85.3



#5
Naphthalene
Concen: 1.672 ng/ul
RT: 10.775 min Scan# 1760
Delta R.T. 0.001 min
Lab File: BN025175.D
Acq: 27 Apr 2023 13:35

Tgt Ion:128 Resp: 107892
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.1 10.7 16.1

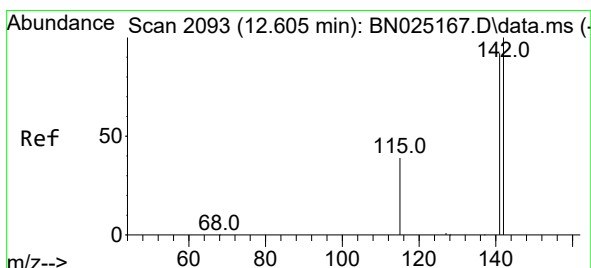
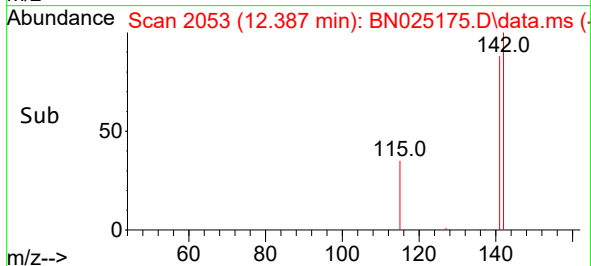
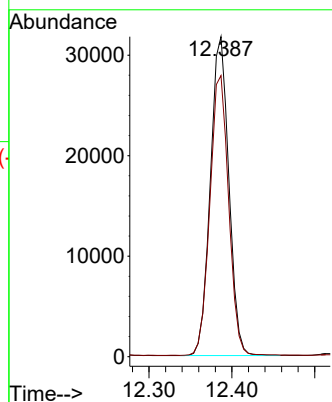
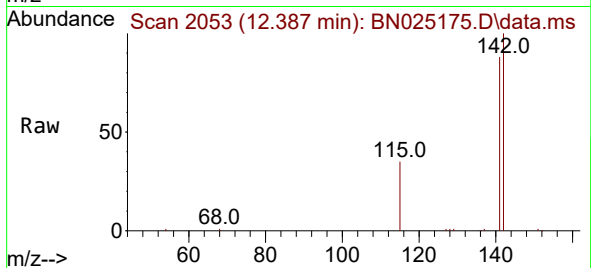




#7
2-Methylnaphthalene
Concen: 1.245 ng/ul
RT: 12.387 min Scan# 2053
Delta R.T. 0.001 min
Lab File: BN025175.D
Acq: 27 Apr 2023 13:35

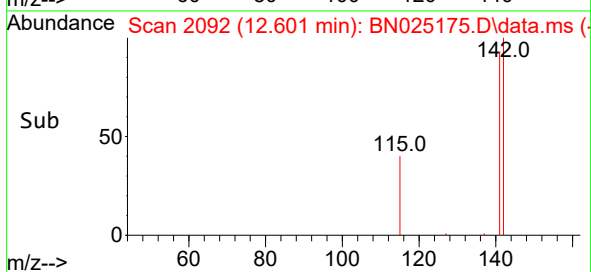
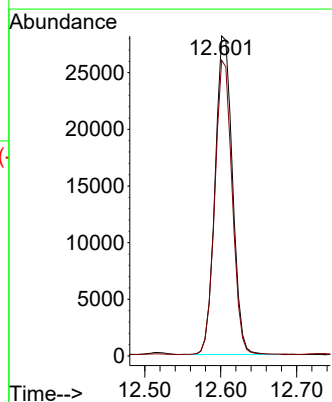
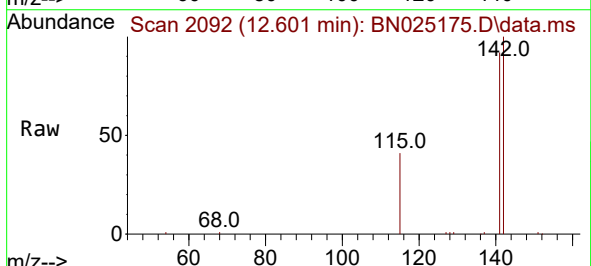
Instrument :
BNA_N
ClientSampleId :
EW8Z5MS

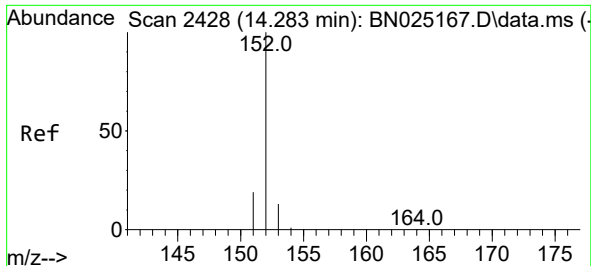
Tgt Ion:142 Resp: 49234
Ion Ratio Lower Upper
142 100
141 89.0 71.4 107.0



#8
1-Methylnaphthalene
Concen: 1.060 ng/ul
RT: 12.601 min Scan# 2092
Delta R.T. -0.004 min
Lab File: BN025175.D
Acq: 27 Apr 2023 13:35

Tgt Ion:142 Resp: 44679
Ion Ratio Lower Upper
142 100
141 91.8 73.8 110.6

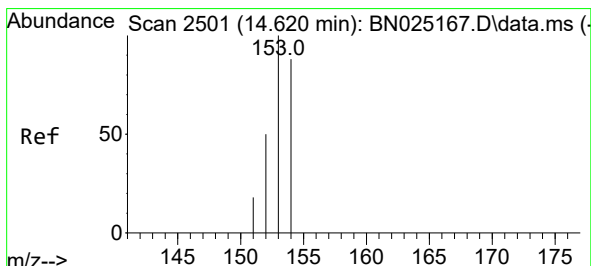
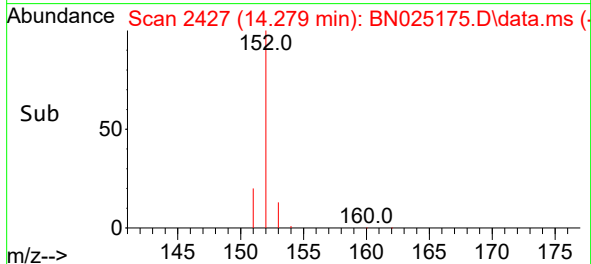
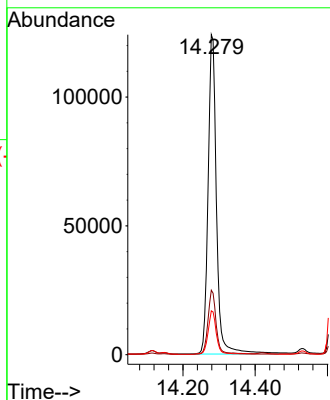
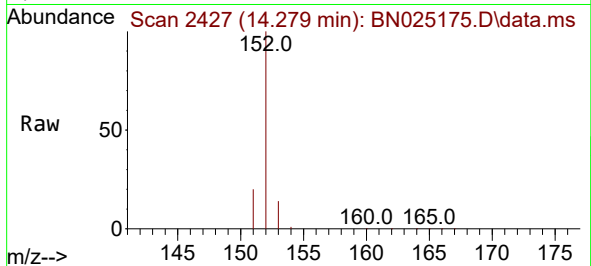




#10
Acenaphthylene
Concen: 3.509 ng/ul
RT: 14.279 min Scan# 2428
Delta R.T. -0.004 min
Lab File: BN025175.D
Acq: 27 Apr 2023 13:35

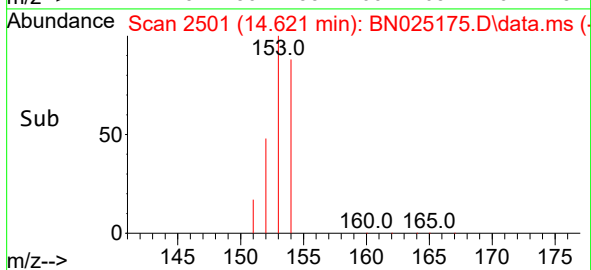
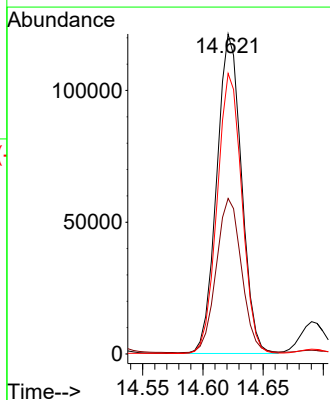
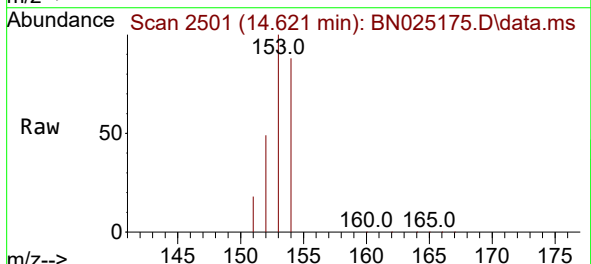
Instrument :
BNA_N
ClientSampleId :
EW8Z5MS

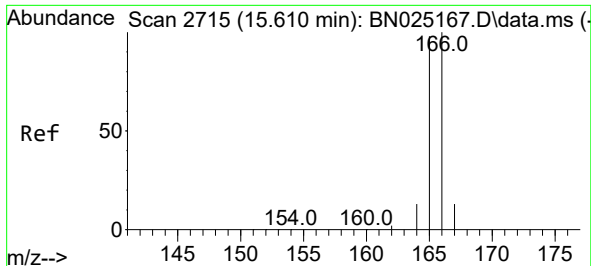
Tgt Ion:152 Resp: 200410
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 13.7 10.8 16.2



#11
Acenaphthene
Concen: 3.603 ng/ul
RT: 14.621 min Scan# 2501
Delta R.T. 0.001 min
Lab File: BN025175.D
Acq: 27 Apr 2023 13:35

Tgt Ion:153 Resp: 173454
Ion Ratio Lower Upper
153 100
152 48.6 40.2 60.4
154 87.7 69.4 104.2

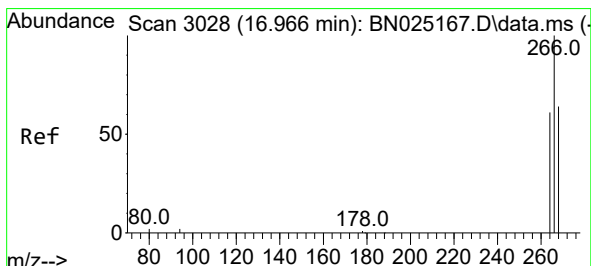
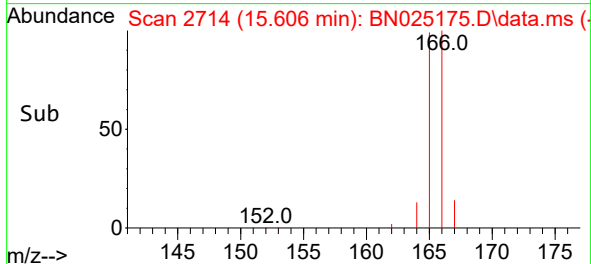
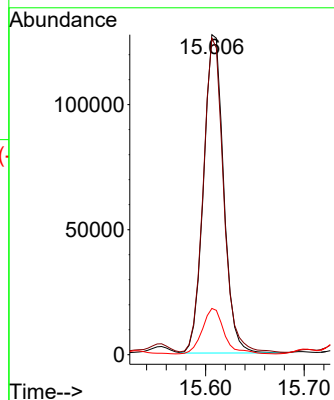
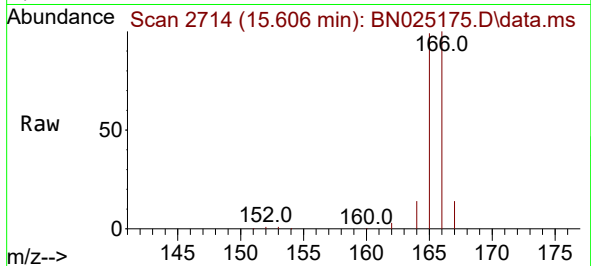




#12
Fluorene
Concen: 3.345 ng/ul
RT: 15.606 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN025175.D
Acq: 27 Apr 2023 13:35

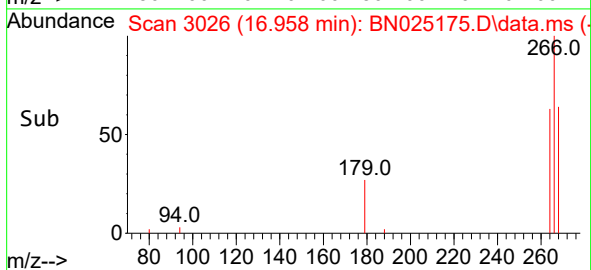
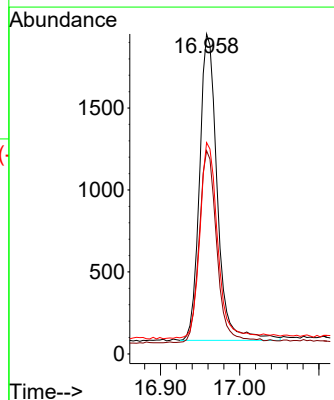
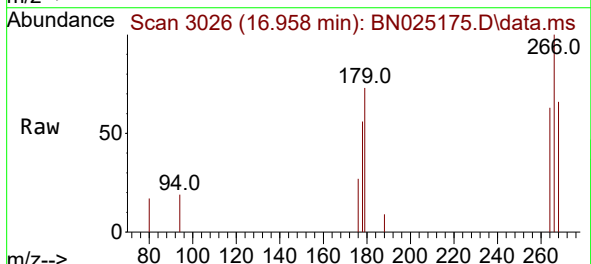
Instrument :
BNA_N
ClientSampleId :
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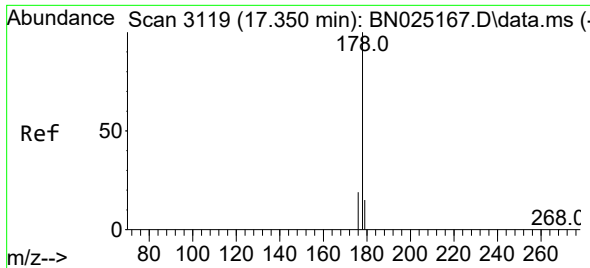
Tgt Ion:166 Resp: 180035
Ion Ratio Lower Upper
166 100
165 98.9 78.1 117.1
167 14.4 11.0 16.6



#14
Pentachlorophenol
Concen: 0.445 ng/ul
RT: 16.958 min Scan# 3026
Delta R.T. -0.008 min
Lab File: BN025175.D
Acq: 27 Apr 2023 13:35

Tgt Ion:266 Resp: 2904
Ion Ratio Lower Upper
266 100
264 62.7 49.6 74.4
268 65.3 51.3 76.9

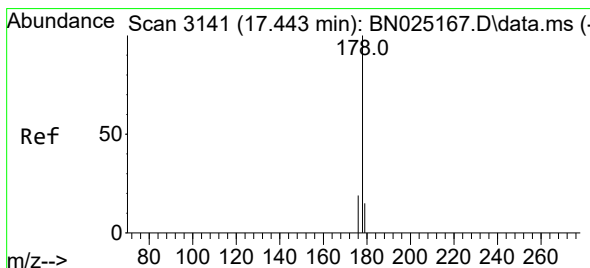
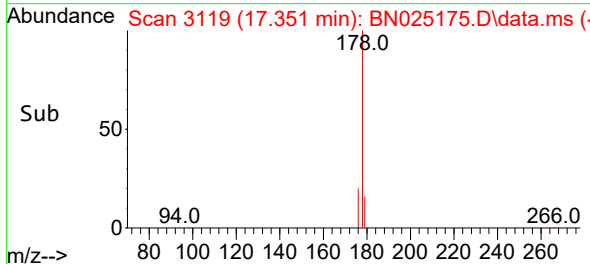
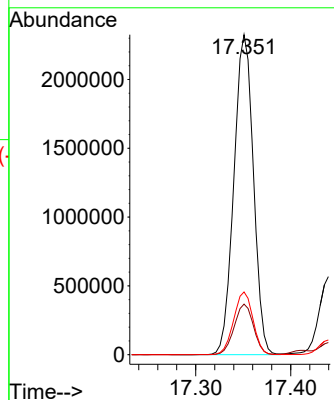
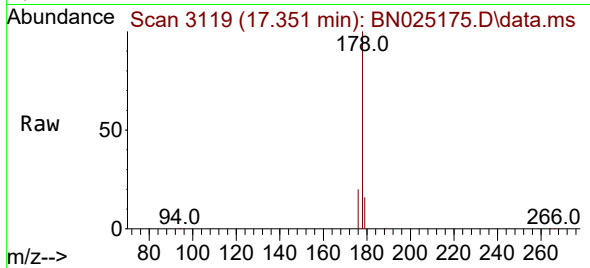




#15
Phenanthrene
Concen: 35.389 ng/ul
RT: 17.351 min Scan# 3119
Delta R.T. 0.001 min
Lab File: BN025175.D
Acq: 27 Apr 2023 13:35

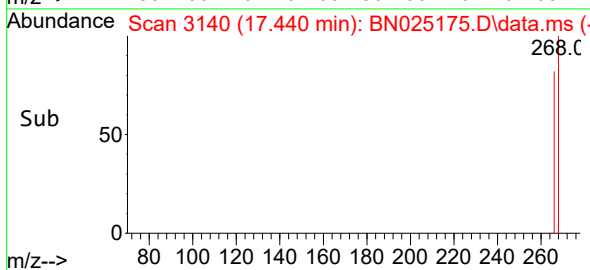
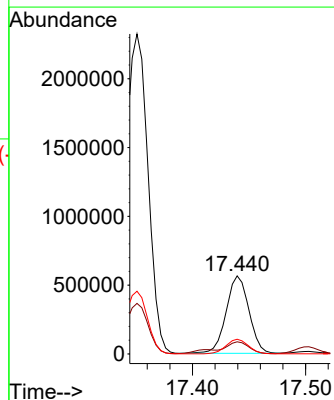
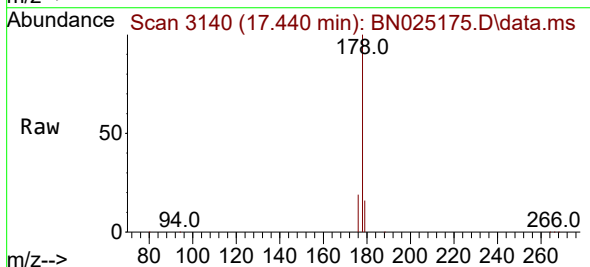
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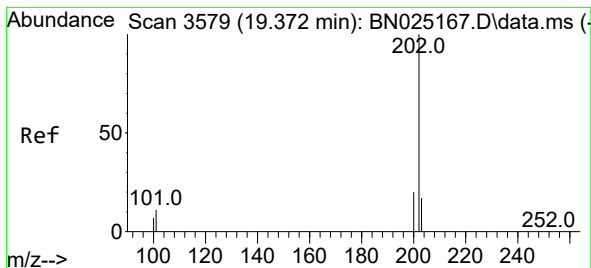
Tgt Ion:178 Resp: 3318087
Ion Ratio Lower Upper
178 100
179 15.8 12.5 18.7
176 19.6 15.6 23.4



#16
Anthracene
Concen: 10.252 ng/ul
RT: 17.440 min Scan# 3140
Delta R.T. -0.004 min
Lab File: BN025175.D
Acq: 27 Apr 2023 13:35

Tgt Ion:178 Resp: 786384
Ion Ratio Lower Upper
178 100
179 15.6 12.7 19.1
176 18.8 15.3 22.9





#19

Fluoranthene

Concen: 63.475 ng/u1

RT: 19.372 min Scan# 3579

Delta R.T. 0.001 min

Lab File: BN025175.D

Acq: 27 Apr 2023 13:35

Instrument :

BNA_N

ClientSampleId :

EW8Z5MS

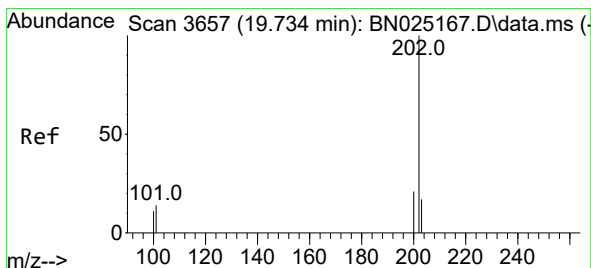
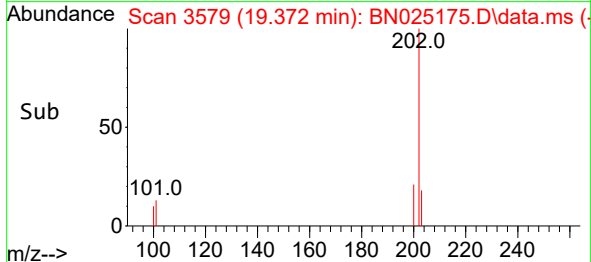
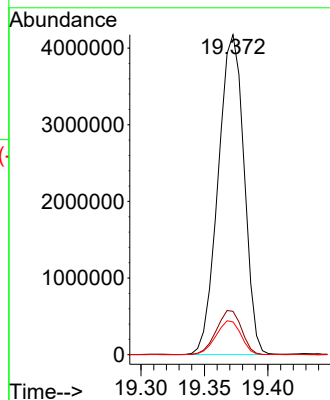
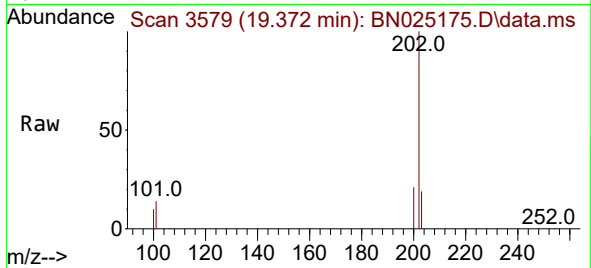
Tgt Ion:202 Resp: 5913150

Ion Ratio Lower Upper

202 100

101 13.6 9.7 14.5

100 10.3 7.3 10.9



#20

Pyrene

Concen: 56.894 ng/u1

RT: 19.735 min Scan# 3657

Delta R.T. 0.001 min

Lab File: BN025175.D

Acq: 27 Apr 2023 13:35

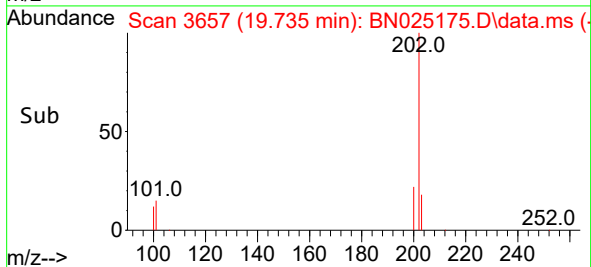
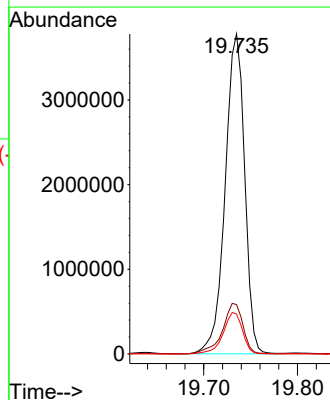
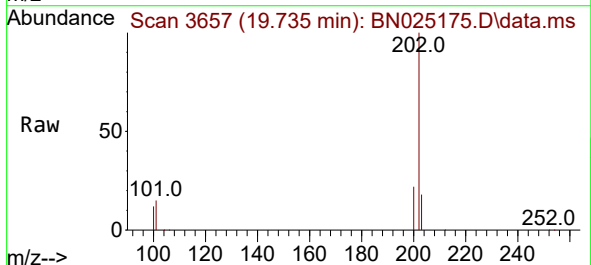
Tgt Ion:202 Resp: 5445467

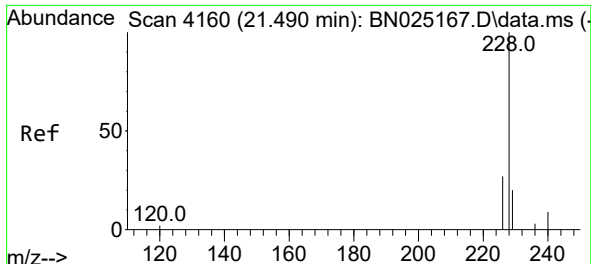
Ion Ratio Lower Upper

202 100

101 15.4 11.3 16.9

100 12.5 9.2 13.8

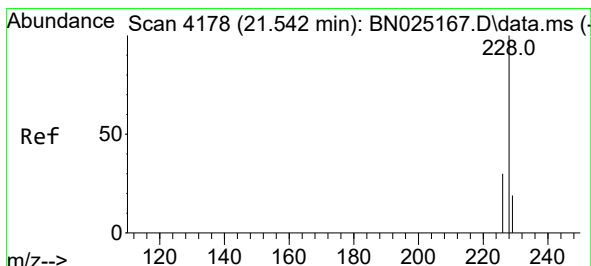
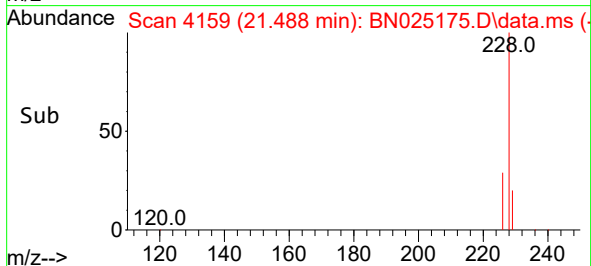
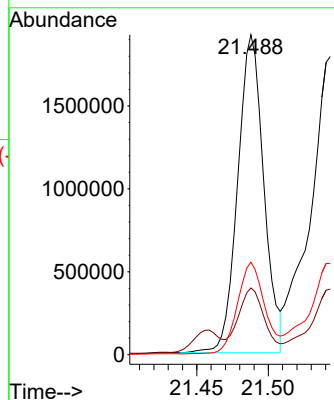
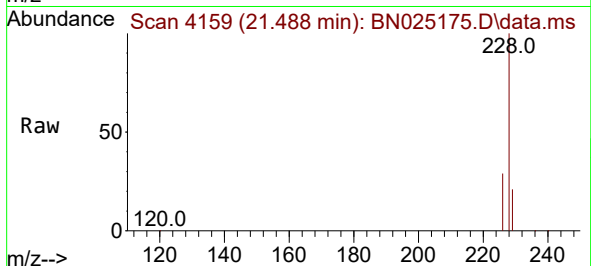




#21
Benzo(a)anthracene
Concen: 31.393 ng/ul
RT: 21.488 min Scan# 4159
Delta R.T. -0.002 min
Lab File: BN025175.D
Acq: 27 Apr 2023 13:35

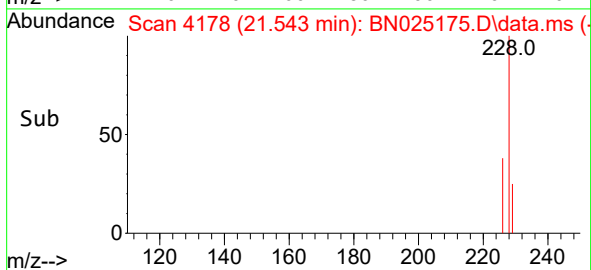
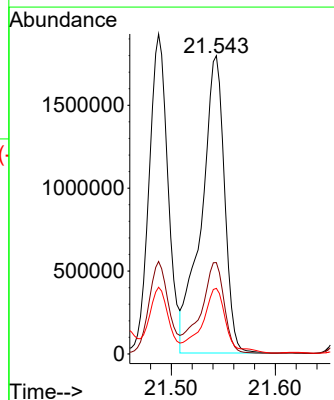
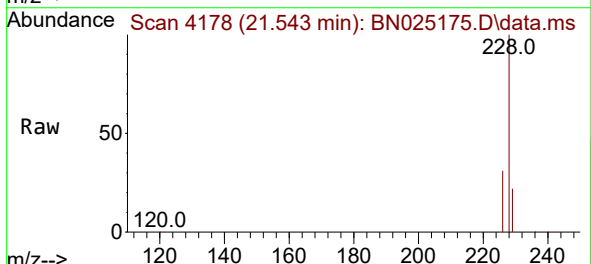
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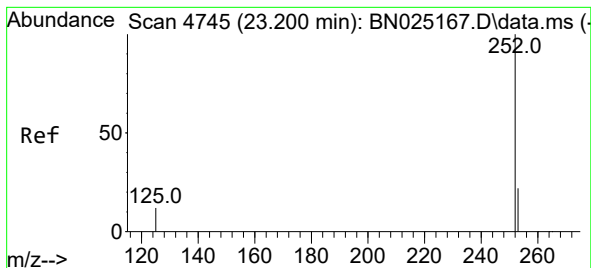
Tgt Ion:228 Resp: 2436931
Ion Ratio Lower Upper
228 100
229 20.9 15.6 23.4
226 28.9 22.1 33.1



#22
Chrysene
Concen: 32.572 ng/ul
RT: 21.543 min Scan# 4178
Delta R.T. 0.001 min
Lab File: BN025175.D
Acq: 27 Apr 2023 13:35

Tgt Ion:228 Resp: 2758207
Ion Ratio Lower Upper
228 100
226 30.7 24.5 36.7
229 22.0 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 40.629 ng/ul

RT: 23.203 min Scan# 41

Delta R.T. 0.004 min

Lab File: BN025175.D

Acq: 27 Apr 2023 13:35

Instrument :

BNA_N

ClientSampleId :

EW8Z5MS

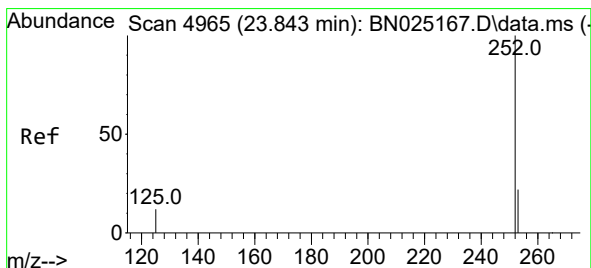
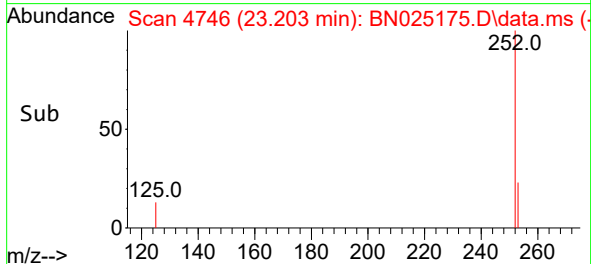
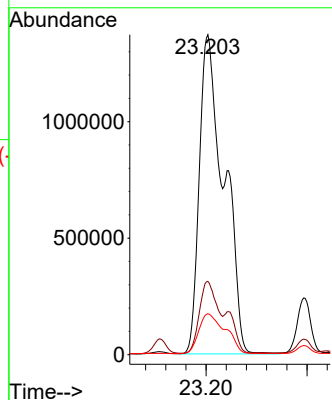
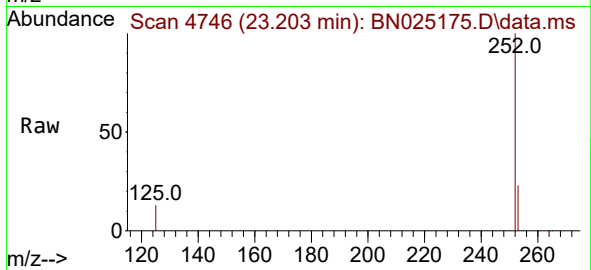
Tgt Ion:252 Resp: 4640206

Ion Ratio Lower Upper

252 100

253 22.9 0.0 50.2

125 12.8 0.0 30.4



#26

Benzo(a)pyrene

Concen: 22.834 ng/ul

RT: 23.838 min Scan# 4963

Delta R.T. -0.005 min

Lab File: BN025175.D

Acq: 27 Apr 2023 13:35

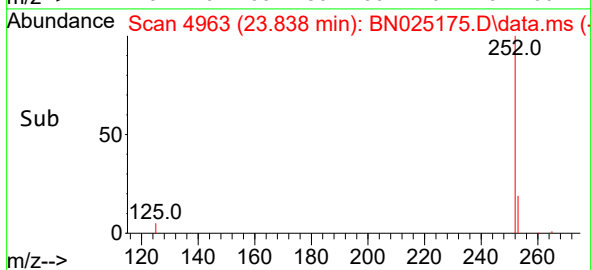
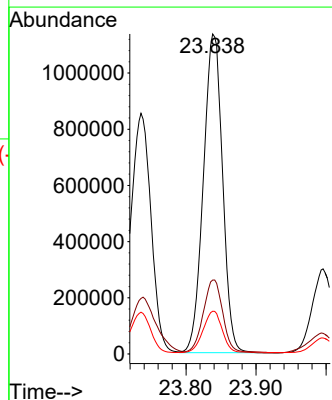
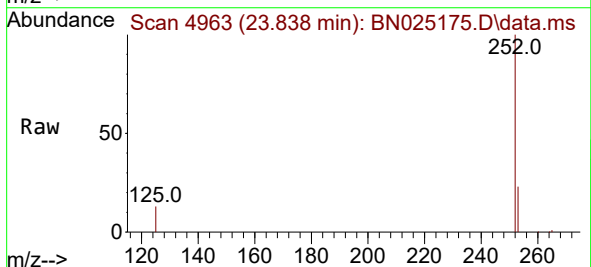
Tgt Ion:252 Resp: 2157632

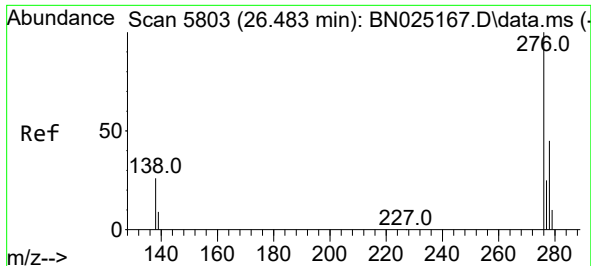
Ion Ratio Lower Upper

252 100

253 23.1 21.4 32.2

125 13.3 14.6 22.0#

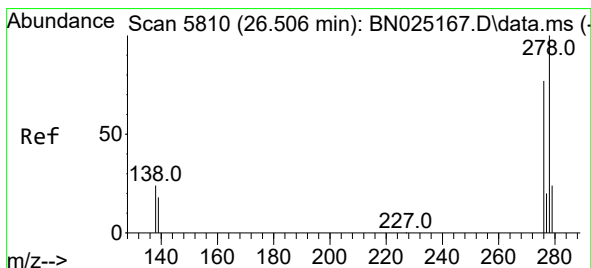
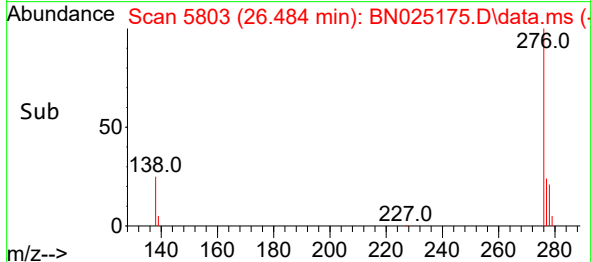
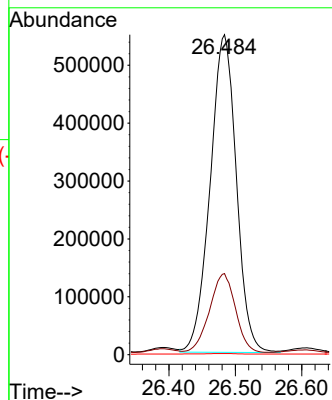
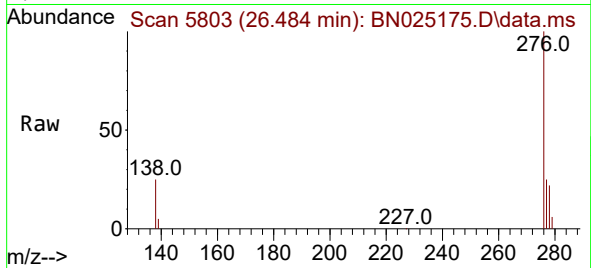




#27
Indeno(1,2,3-cd)pyrene
Concen: 13.820 ng/ul
RT: 26.484 min Scan# 5803
Delta R.T. 0.001 min
Lab File: BN025175.D
Acq: 27 Apr 2023 13:35

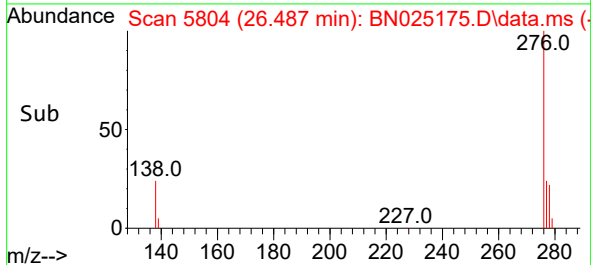
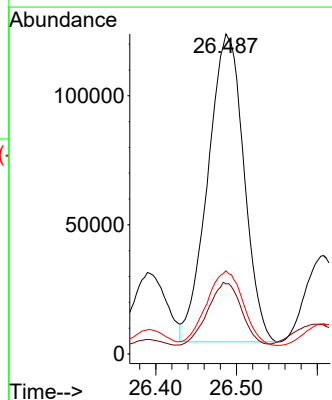
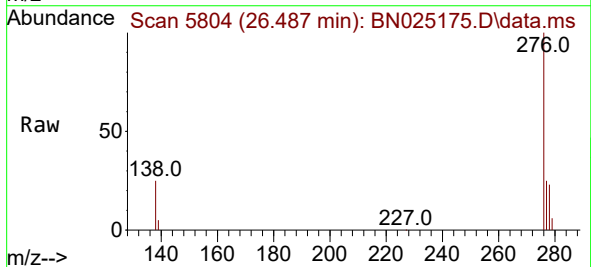
Instrument :
BNA_N
ClientSampleId :
EW8Z5MS

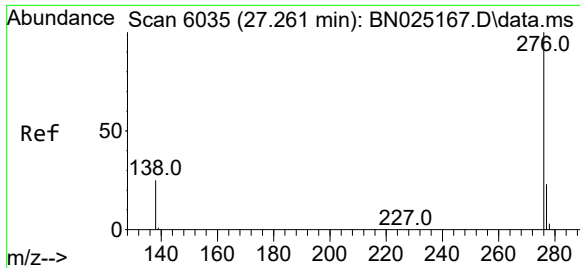
Tgt Ion:276 Resp: 1504661
Ion Ratio Lower Upper
276 100
138 24.8 21.9 32.9
227 0.4 0.1 0.1#



#28
Dibenzo(a,h)anthracene
Concen: 4.332 ng/ul
RT: 26.487 min Scan# 5804
Delta R.T. -0.019 min
Lab File: BN025175.D
Acq: 27 Apr 2023 13:35

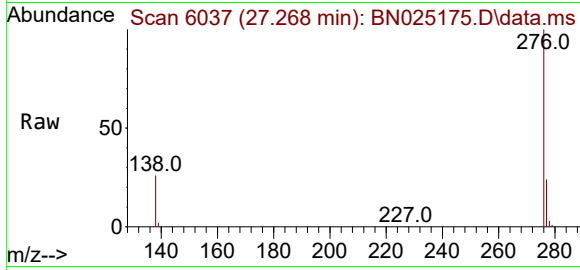
Tgt Ion:278 Resp: 368400
Ion Ratio Lower Upper
278 100
139 21.9 17.0 25.6
279 26.0 21.8 32.8





#29
 Benzo(g,h,i)perylene
 Concen: 13.507 ng/ul
 RT: 27.268 min Scan# 6037
 Delta R.T. 0.008 min
 Lab File: BN025175.D
 Acq: 27 Apr 2023 13:35

Instrument :
 BNA_N
 ClientSampleId :
 EW8Z5MS



Tgt Ion:276 Resp: 1250462

Ion	Ratio	Lower	Upper
276	100		
138	25.6	20.3	30.5
277	24.3	19.8	29.6

