

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
 Data File : BN025252.D
 Acq On : 03 May 2023 22:42
 Operator : CG/JU
 Sample : 02447-23
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW941

Quant Time: May 04 04:31:46 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

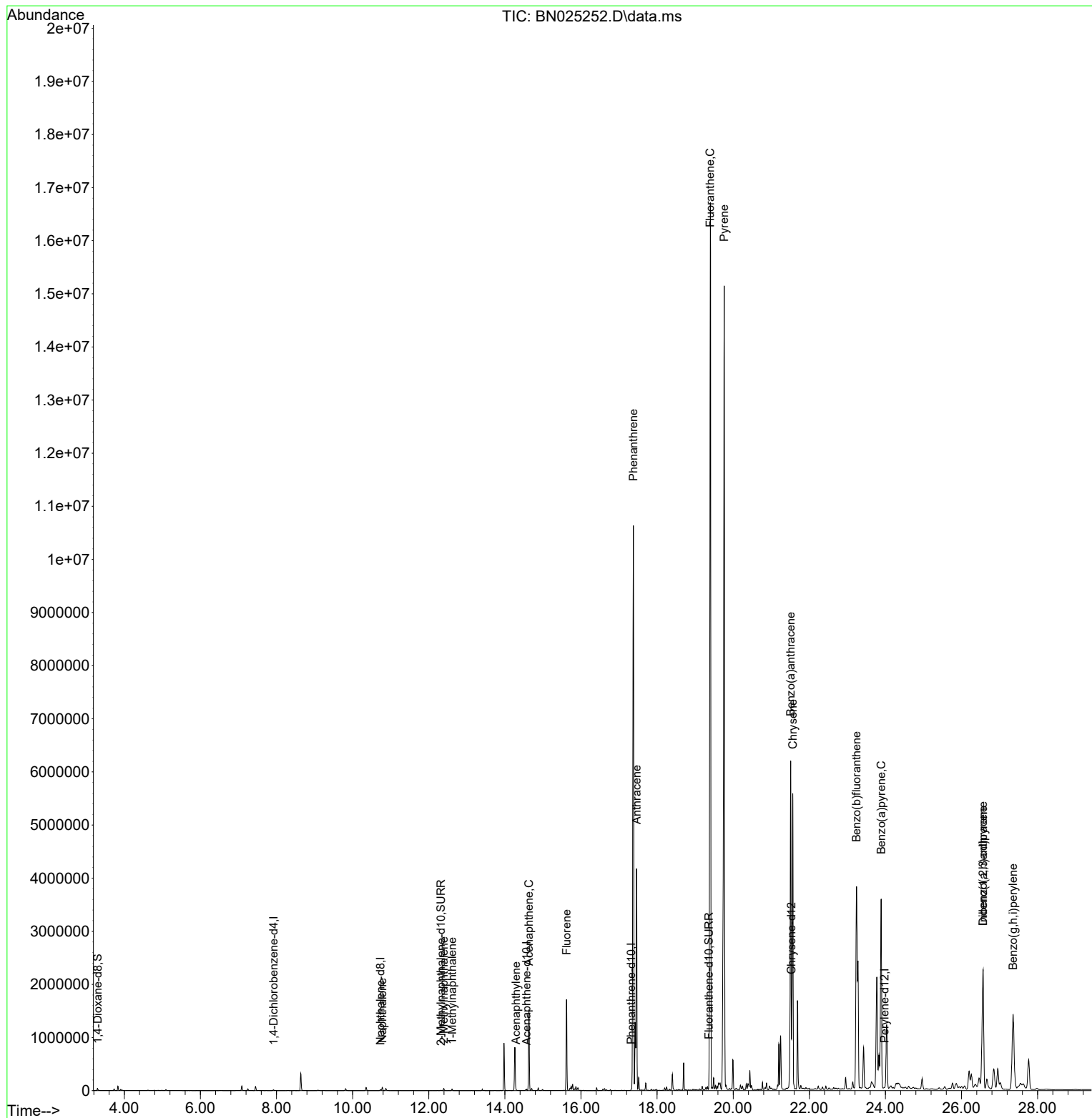
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.921	152	7325	0.400	ng/ul	0.00
4) Naphthalene-d8	10.732	136	23627	0.400	ng/ul	0.01
9) Acenaphthene-d10	14.570	164	14053	0.400	ng/ul	0.01
13) Phenanthrene-d10	17.322	188	29420	0.400	ng/ul	0.01
17) Chrysene-d12	21.526	240	17969	0.400	ng/ul	# 0.02
23) Perylene-d12	23.979	264	24541	0.400	ng/ul	# 0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.297	96	24867	3.279	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.321	152	7312	0.241	ng/ul	0.01
18) Fluoranthene-d10	19.359	212	16806	0.355	ng/ul	0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.781	128	80323	1.327	ng/ul	99
7) 2-Methylnaphthalene	12.393	142	27939	0.753	ng/ul	100
8) 1-Methylnaphthalene	12.612	142	19589	0.496	ng/ul	99
10) Acenaphthylene	14.293	152	37207	0.711	ng/ul	98
11) Acenaphthene	14.630	153	875238	19.834	ng/ul	98
12) Fluorene	15.620	166	1035624	20.993	ng/ul	100
15) Phenanthrene	17.376	178	13093409	157.672	ng/ul	98
16) Anthracene	17.461	178	4322681	63.630	ng/ul	100
19) Fluoranthene	19.396	202	16283839	250.600	ng/ul#	89
20) Pyrene	19.763	202	14638767	219.266	ng/ul#	90
21) Benzo(a)anthracene	21.511	228	5979561	110.431	ng/ul	97
22) Chrysene	21.564	228	5682501	96.203	ng/ul	96
24) Benzo(b)fluoranthene	23.242	252	9508761	95.502	ng/ul	96
26) Benzo(a)pyrene	23.888	252	5211587	63.264	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	26.568	276	3638302	38.332	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.568	278	842768	11.367	ng/ul	96
29) Benzo(g,h,i)perylene	27.356	276	3235465	40.089	ng/ul	100

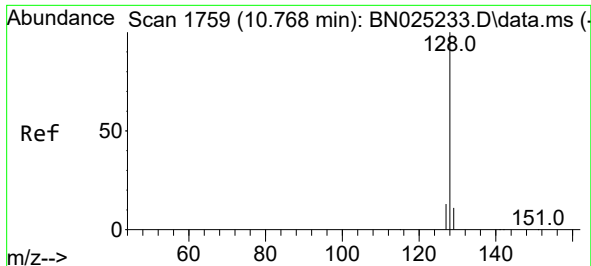
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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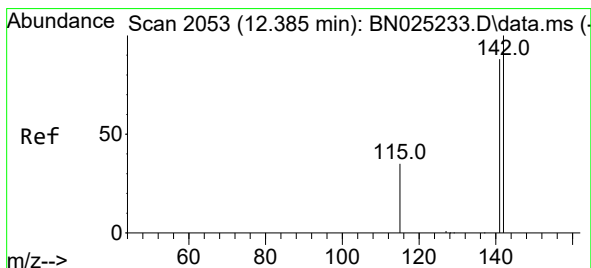
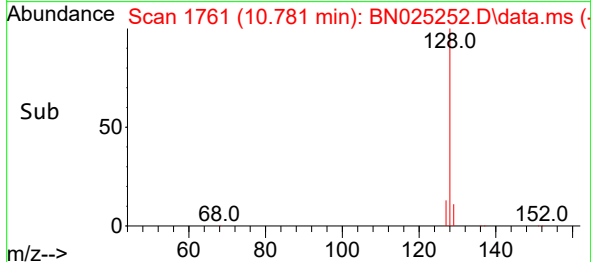
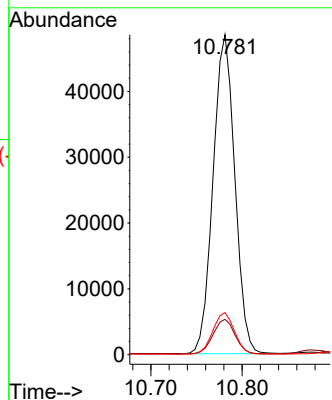
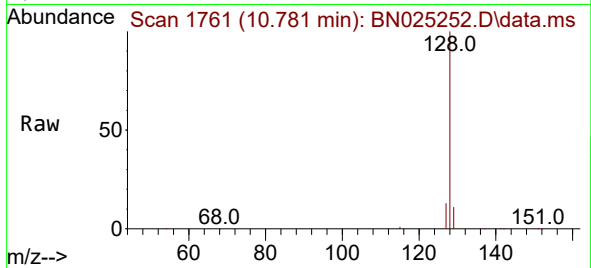




#5
Naphthalene
Concen: 1.327 ng/ul
RT: 10.781 min Scan# 1761
Delta R.T. 0.013 min
Lab File: BN025252.D
Acq: 03 May 2023 22:42

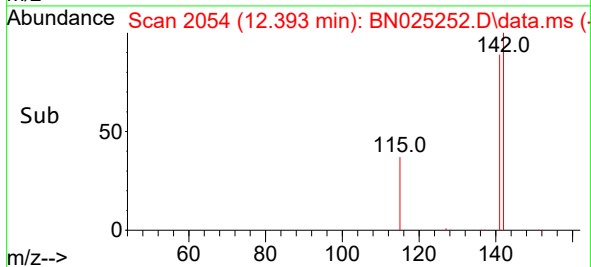
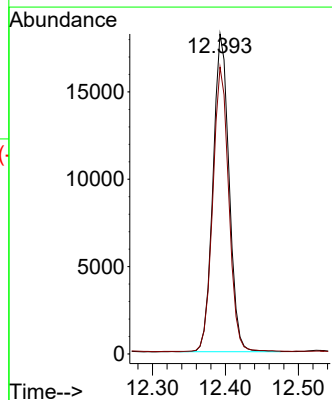
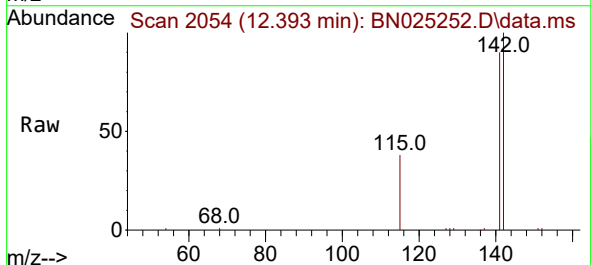
Instrument :
BNA_N
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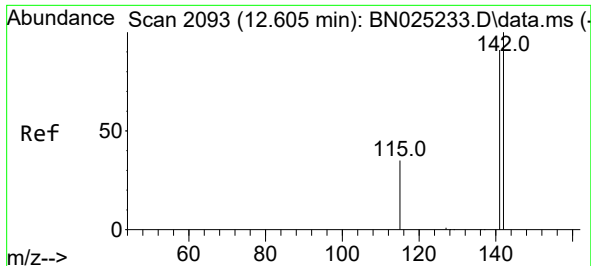
Tgt Ion:128 Resp: 80323
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.1 10.7 16.1



#7
2-Methylnaphthalene
Concen: 0.753 ng/ul
RT: 12.393 min Scan# 2054
Delta R.T. 0.007 min
Lab File: BN025252.D
Acq: 03 May 2023 22:42

Tgt Ion:142 Resp: 27939
Ion Ratio Lower Upper
142 100
141 89.1 71.4 107.0

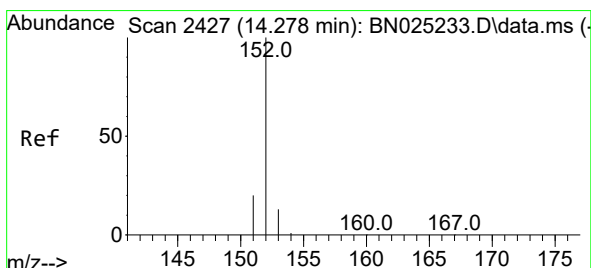
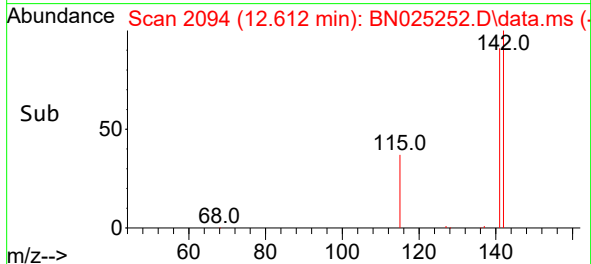
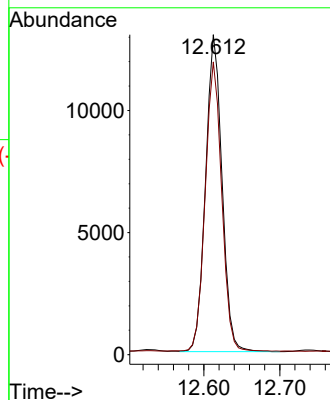
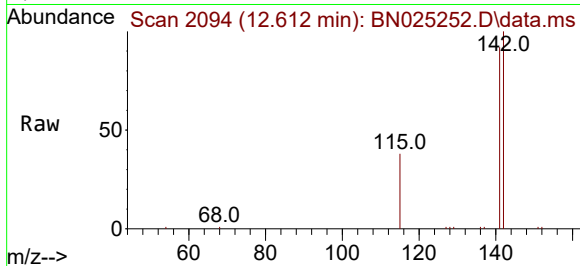




#8
1-Methylnaphthalene
Concen: 0.496 ng/ul
RT: 12.612 min Scan# 2094
Delta R.T. 0.007 min
Lab File: BN025252.D
Acq: 03 May 2023 22:42

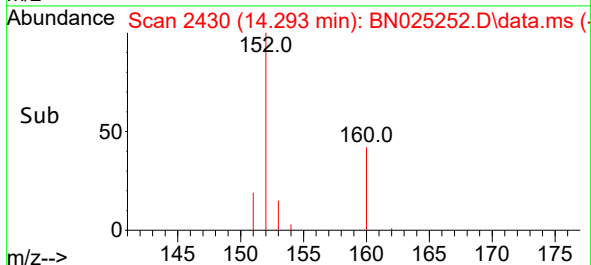
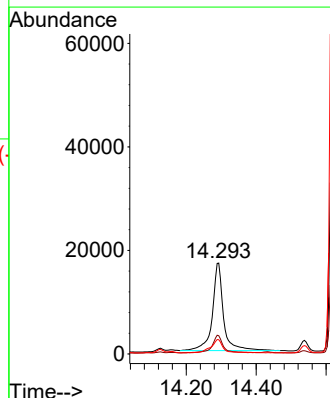
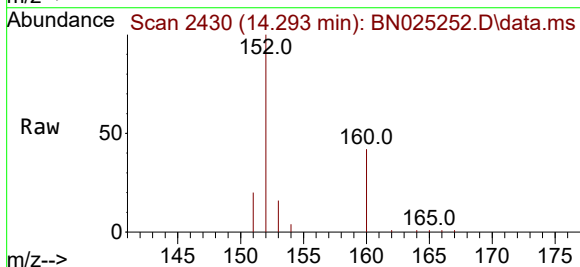
Instrument :
BNA_N
ClientSampleId :
EW941

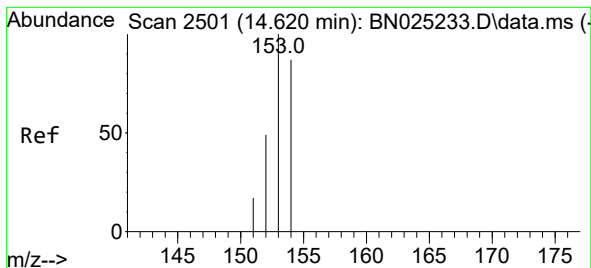
Tgt Ion:142 Resp: 19589
Ion Ratio Lower Upper
142 100
141 91.4 73.8 110.6



#10
Acenaphthylene
Concen: 0.711 ng/ul
RT: 14.293 min Scan# 2430
Delta R.T. 0.015 min
Lab File: BN025252.D
Acq: 03 May 2023 22:42

Tgt Ion:152 Resp: 37207
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 15.7 10.8 16.2





#11

Acenaphthene

Concen: 19.834 ng/ul

RT: 14.630 min Scan# 21

Delta R.T. 0.010 min

Lab File: BN025252.D

Acq: 03 May 2023 22:42

Instrument :

BNA_N

ClientSampleId :

EW941

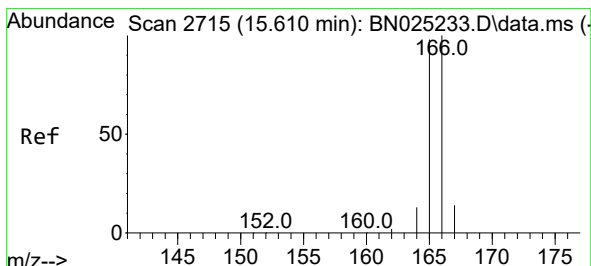
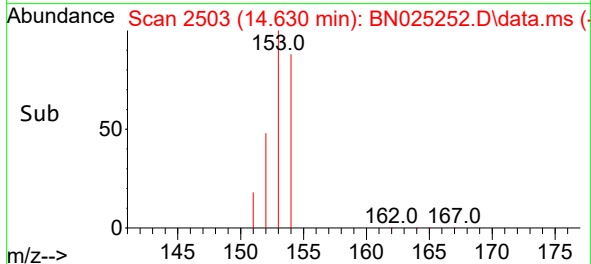
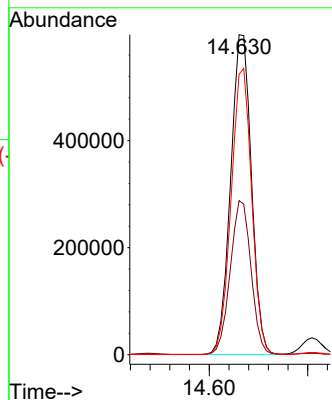
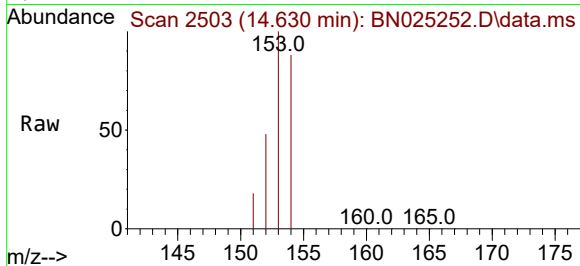
Tgt Ion:153 Resp: 875238

Ion Ratio Lower Upper

153 100

152 48.1 40.2 60.4

154 87.6 69.4 104.2



#12

Fluorene

Concen: 20.993 ng/ul

RT: 15.620 min Scan# 2717

Delta R.T. 0.010 min

Lab File: BN025252.D

Acq: 03 May 2023 22:42

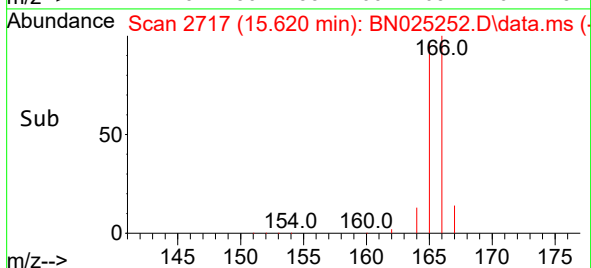
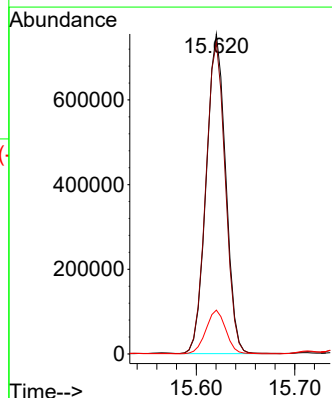
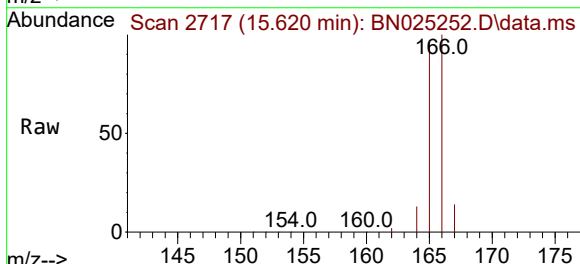
Tgt Ion:166 Resp: 1035624

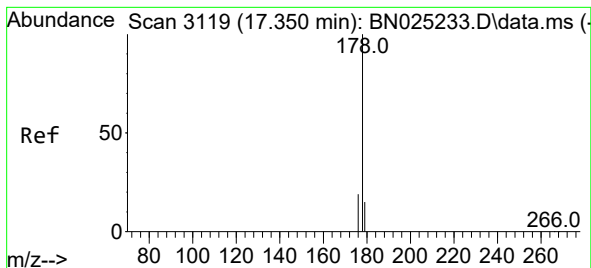
Ion Ratio Lower Upper

166 100

165 97.3 78.1 117.1

167 13.7 11.0 16.6





#15

Phenanthrene

Concen: 157.672 ng/ul

RT: 17.376 min Scan# 3119

Delta R.T. 0.026 min

Lab File: BN025252.D

Acq: 03 May 2023 22:42

Instrument :

BNA_N

ClientSampleId :

EW941

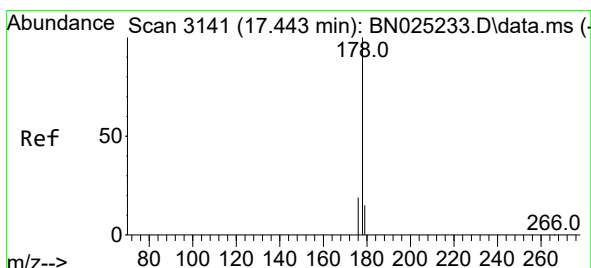
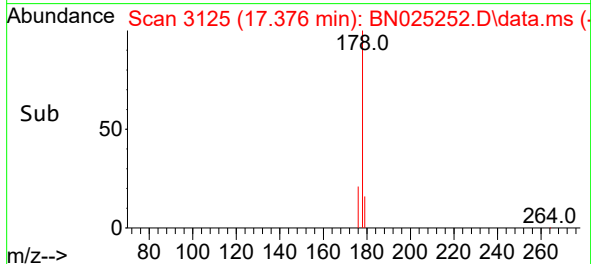
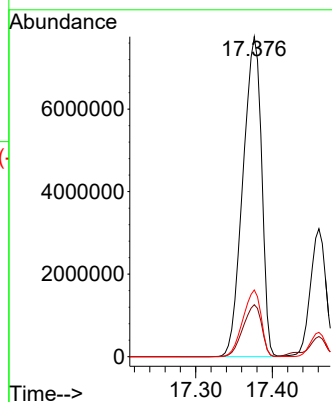
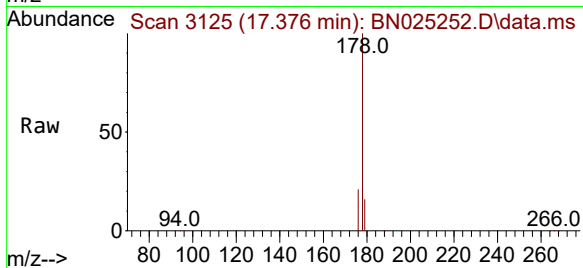
Tgt Ion:178 Resp:13093409

Ion Ratio Lower Upper

178 100

179 16.3 12.5 18.7

176 20.9 15.6 23.4



#16

Anthracene

Concen: 63.630 ng/ul

RT: 17.461 min Scan# 3145

Delta R.T. 0.018 min

Lab File: BN025252.D

Acq: 03 May 2023 22:42

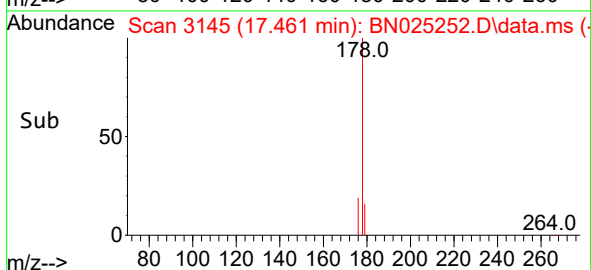
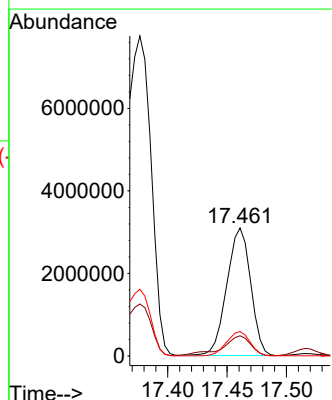
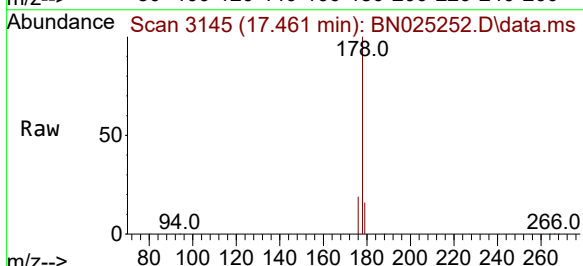
Tgt Ion:178 Resp: 4322681

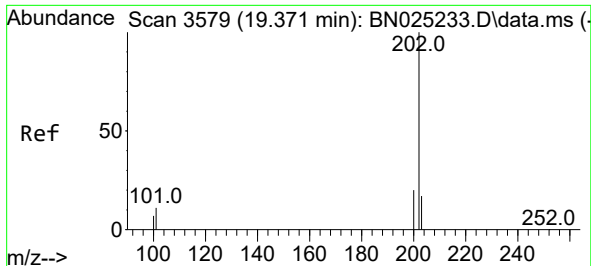
Ion Ratio Lower Upper

178 100

179 15.7 12.7 19.1

176 19.0 15.3 22.9

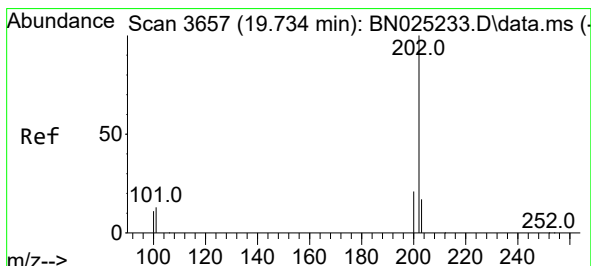
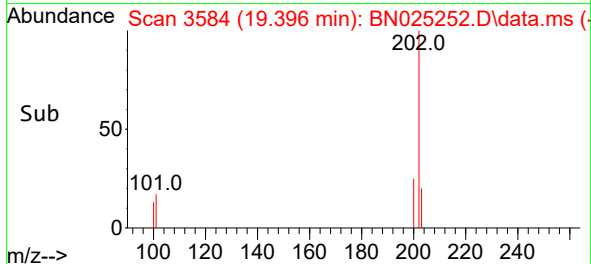
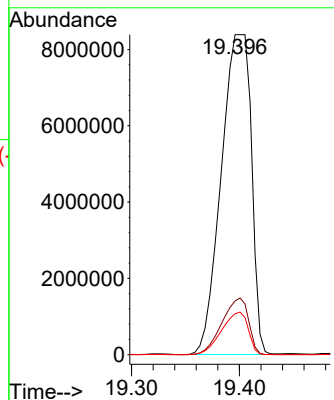
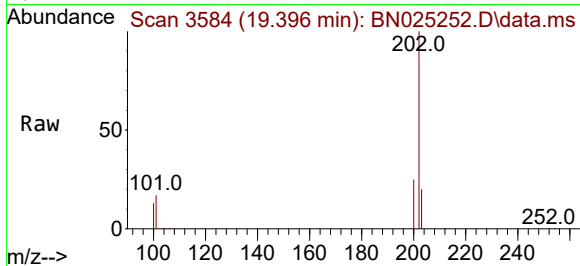




#19
Fluoranthene
Concen: 250.600 ng/ul
RT: 19.396 min Scan# 3584
Delta R.T. 0.025 min
Lab File: BN025252.D
Acq: 03 May 2023 22:42

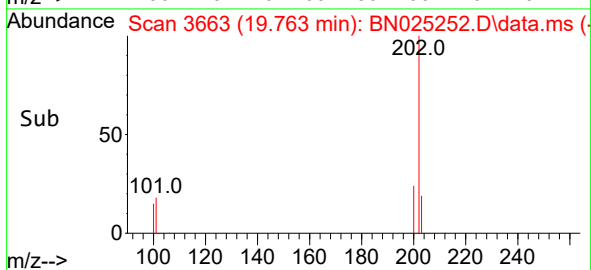
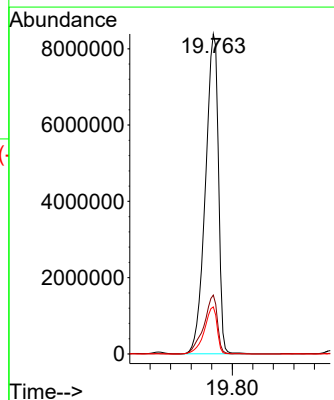
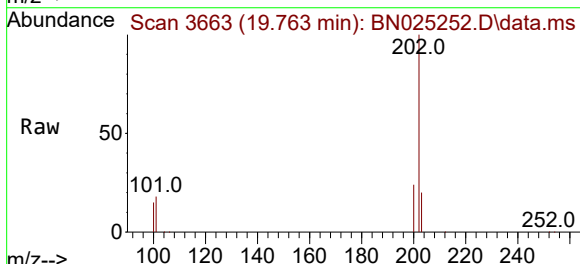
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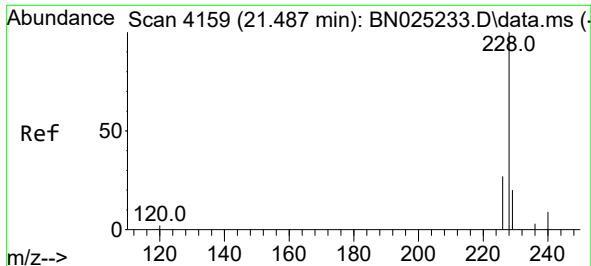
Tgt Ion:202 Resp:16283839
Ion Ratio Lower Upper
202 100
101 16.8 9.7 14.5#
100 12.8 7.3 10.9#



#20
Pyrene
Concen: 219.266 ng/ul
RT: 19.763 min Scan# 3663
Delta R.T. 0.029 min
Lab File: BN025252.D
Acq: 03 May 2023 22:42

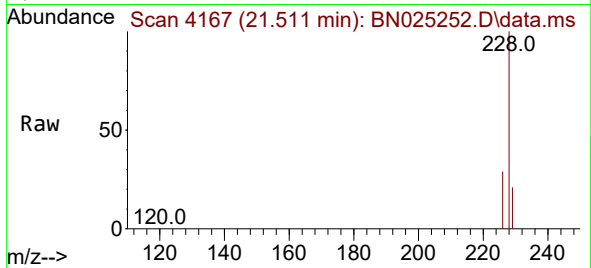
Tgt Ion:202 Resp:14638767
Ion Ratio Lower Upper
202 100
101 18.4 11.3 16.9#
100 14.7 9.2 13.8#



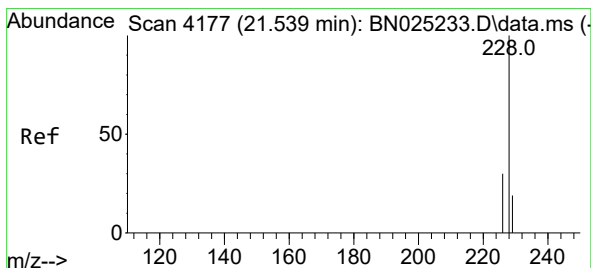
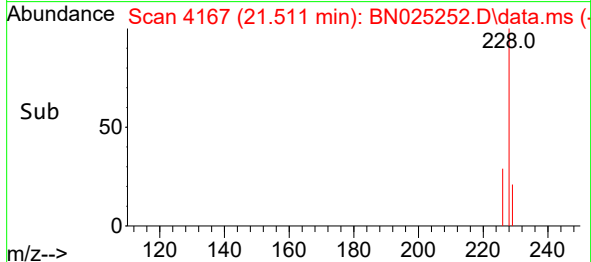
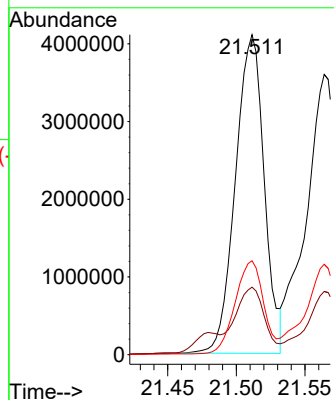


#21
Benzo(a)anthracene
Concen: 110.431 ng/ul
RT: 21.511 min Scan# 4167
Delta R.T. 0.025 min
Lab File: BN025252.D
Acq: 03 May 2023 22:42

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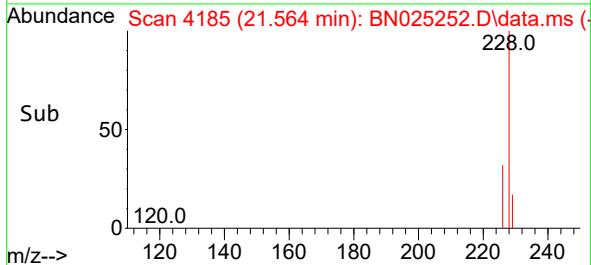
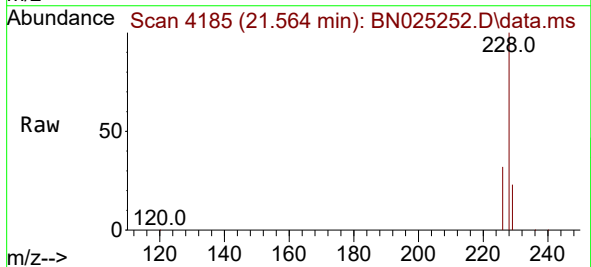
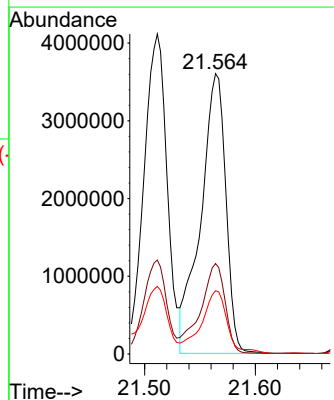


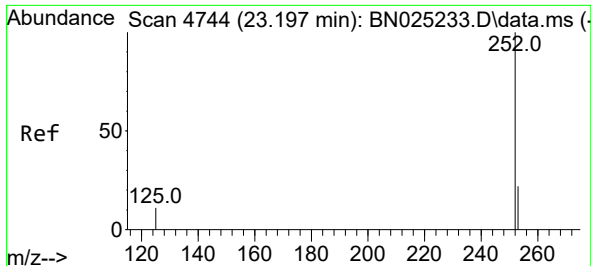
Tgt Ion:228 Resp: 5979561
Ion Ratio Lower Upper
228 100
229 21.1 15.6 23.4
226 29.4 22.1 33.1



#22
Chrysene
Concen: 96.203 ng/ul
RT: 21.564 min Scan# 4185
Delta R.T. 0.025 min
Lab File: BN025252.D
Acq: 03 May 2023 22:42

Tgt Ion:228 Resp: 5682501
Ion Ratio Lower Upper
228 100
226 32.3 24.5 36.7
229 22.5 15.8 23.6

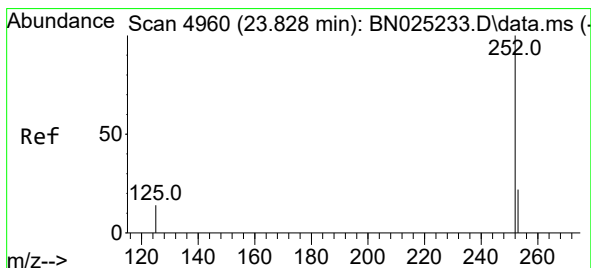
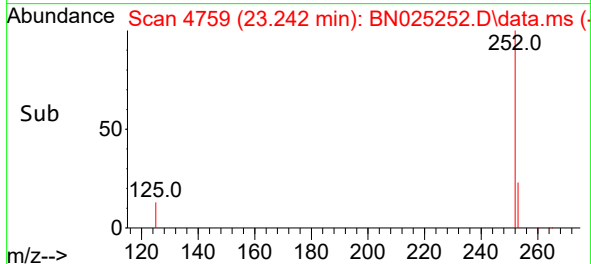
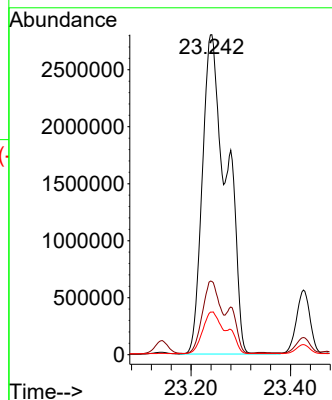
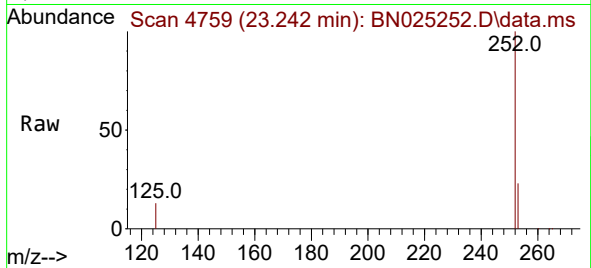




#24
Benzo(b)fluoranthene
Concen: 95.502 ng/ul
RT: 23.242 min Scan# 4759
Delta R.T. 0.045 min
Lab File: BN025252.D
Acq: 03 May 2023 22:42

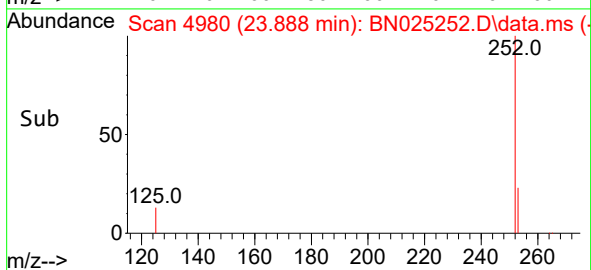
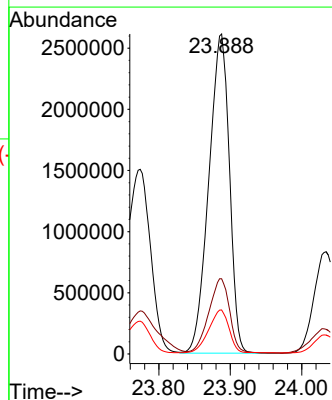
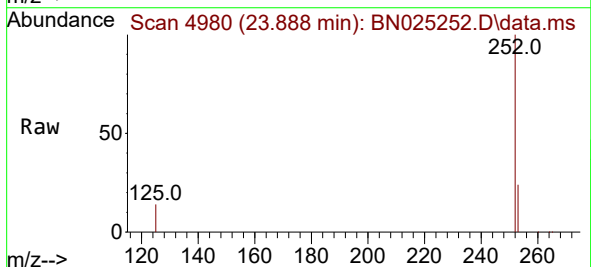
Instrument :
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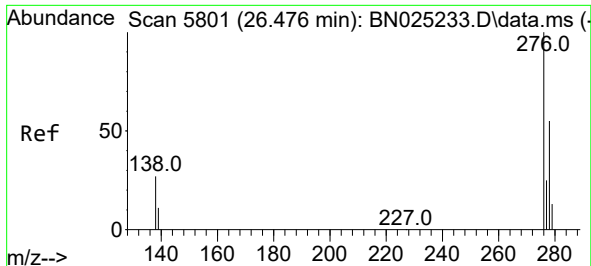
Tgt Ion:252 Resp: 9508761
Ion Ratio Lower Upper
252 100
253 22.9 0.0 50.2
125 13.3 0.0 30.4



#26
Benzo(a)pyrene
Concen: 63.264 ng/ul
RT: 23.888 min Scan# 4980
Delta R.T. 0.060 min
Lab File: BN025252.D
Acq: 03 May 2023 22:42

Tgt Ion:252 Resp: 5211587
Ion Ratio Lower Upper
252 100
253 23.5 21.4 32.2
125 13.7 14.6 22.0#

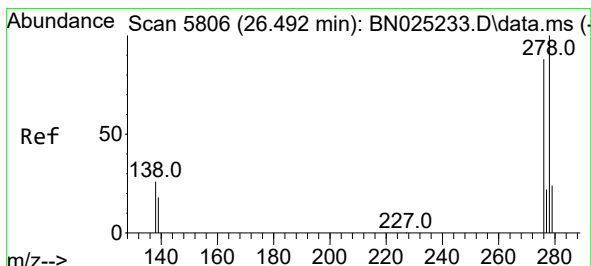
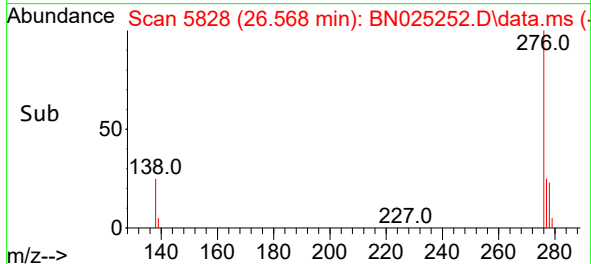
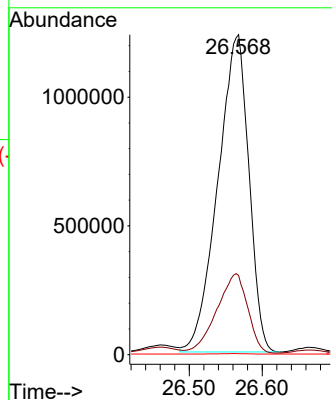
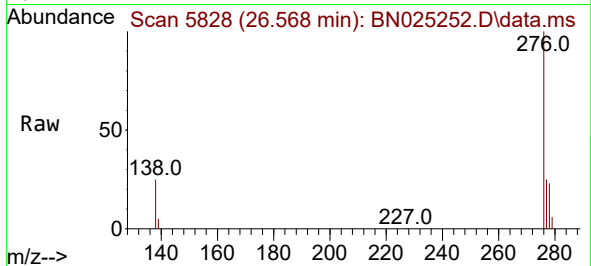




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 38.332 ng/ul
 RT: 26.568 min Scan# 5828
 Delta R.T. 0.092 min
 Lab File: BN025252.D
 Acq: 03 May 2023 22:42

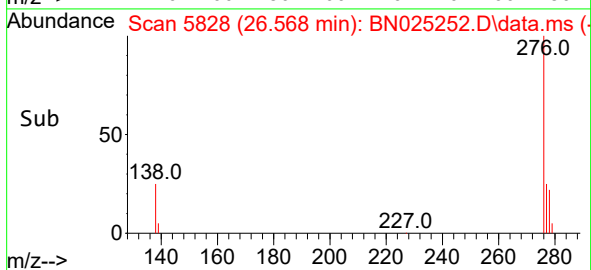
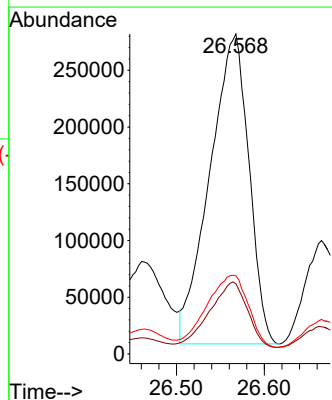
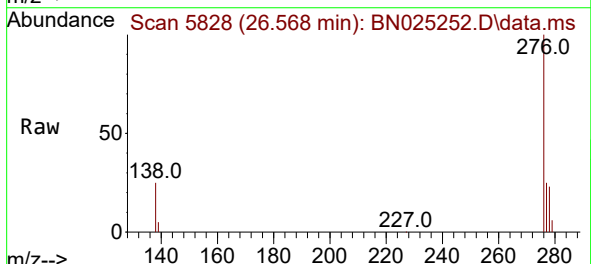
Instrument :
 BNA_N
 ClientSampleId :
 EW941

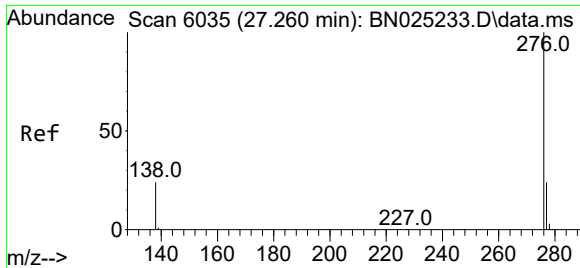
Tgt Ion:276 Resp: 3638302
 Ion Ratio Lower Upper
 276 100
 138 25.0 21.9 32.9
 227 0.2 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 11.367 ng/ul
 RT: 26.568 min Scan# 5828
 Delta R.T. 0.075 min
 Lab File: BN025252.D
 Acq: 03 May 2023 22:42

Tgt Ion:278 Resp: 842768
 Ion Ratio Lower Upper
 278 100
 139 22.0 17.0 25.6
 279 24.4 21.8 32.8





#29
 Benzo(g,h,i)perylene
 Concen: 40.089 ng/ul
 RT: 27.356 min Scan# 6063
 Delta R.T. 0.095 min
 Lab File: BN025252.D
 Acq: 03 May 2023 22:42

Instrument :
 BNA_N
 ClientSampleId :
 EW941

Tgt Ion:276 Resp: 3235465
 Ion Ratio Lower Upper
 276 100
 138 25.5 20.3 30.5
 277 24.5 19.8 29.6

